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Department of Water Resources

BULLETIN No. 179-73

WATERMASTER SERVICE

IN THE

WEST COAST BASIN

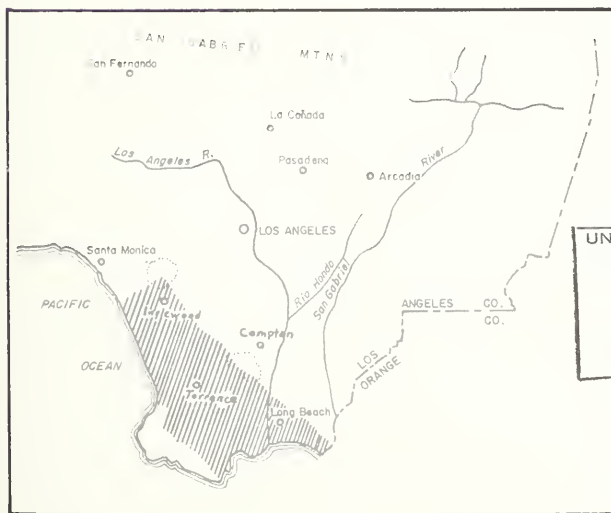
LOS ANGELES COUNTY

FOR PERIOD

OCTOBER 1, 1972

THROUGH

SEPTEMBER 30, 1973



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DECEMBER 1973

NORMAN B. LIVERMORE, JR.
Secretary for Resources
The Resources Agency

RONALD REAGAN
Governor
State of California

JOHN R. TEERINK
Director
Department of Water Resources

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ABSTRACT

Water supply and demand conditions in the West Coast Basin have not changed appreciably for several years. Ground water extractions have averaged about 62,000 acre-feet annually, and as water requirements grow and more supplemental sources are developed, the trend is for an increase in imported water use. However during the past water year, extractions and imports decreased considerably because of the above normal rainfall. In the 1972-73 water year, 9 parties overextracted a total of 364.14 acre-feet. Seven parties overextracted by less than the 10 percent or 2 acre-feet limitation set by the Judgment. The two parties in violation leased or purchased sufficient water to offset their overextractions and meet their 1973-74 needs. As a result, the Watermaster recommends that no action be brought before the Court against the two parties.

Item	Water Year	
	1971-72	1972-73
Parties	79	77
Active pumpers	45	43
Active nonparties	4	5
Adjudicated Right, in acre-feet	64,468.25	64,468.25
Watermaster expenses, total	\$ 47,547.31	\$ 44,946.74
Watermaster expenses per acre-foot pumped	\$.73	\$.74
Rainfall, in inches	7.15	16.29
Injection at barrier project, in acre-feet	35,968.00	36,616.00
Extractions, in acre-feet	64,733.01	60,477.84
Imports, in acre-feet	262,633.02	245,857.00
Exports, in acre-feet	- 12,867.73	- 11,323.00
TOTAL WATER USE, in acre-feet	314,498.30	295,011.84

State of California The Resources Agency DEPARTMENT OF WATER RESOURCES

Ronald Reagan, Governor
Norman B. Livermore, Jr., Secretary for Resources
John R. Teerink, Director, Department of Water Resources
Robert G. Elland, Deputy Director

SOUTHERN DISTRICT

Jack J. Coe Acting District Engineer and Watermaster
Mitchell L. Gould Chief, Operations Branch and Deputy Watermaster

Watermaster service in this area was conducted
and report prepared under the direction

of

Clyde B. Arnold Chief, Contracts Administration Section

by

Carlos Madrid Deputy Watermaster

assisted by

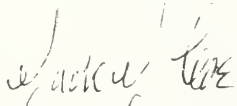
Gabriel V. Valenzuela Water Resources Engineering Associate
Cesar M. Garma Assistant Civil Engineer
Raymond D. Woo, William H. McCann Water Resources Technician II
Paul DeKonty, John Stanley, Tom Smith Water Resources Technician I
Pete Fielding Engineering Aid II
Lillian Rabin Clerk-Typist II Range B
Donna Infranca Clerk-Typist II

FOREWORD

The Department of Water Resources, as Watermaster for the West Coast Basin, submits this annual report as a comprehensive review of water supply conditions in the Basin during the 1972-73 water year. The report was prepared for the Los Angeles County Superior Court and for the parties to the West Coast Basin Judgment, whose provisions authorize its publication.

The West Coast Basin is administered by the Department as a watermaster service area in accordance with Part 4, Division 2, of the California Water Code. The Basin has been operating for several years under a well-defined management plan that limits and monitors ground water extractions.

This report contains information on ground water extractions, use of imported water, recharge operations, the administration of the Exchange Water Pool, and a financial report on watermaster service during the 1972-73 water year.



Jack J. Goe
Acting District Engineer
Southern District
and Watermaster
Reg. C. E. No. 8075

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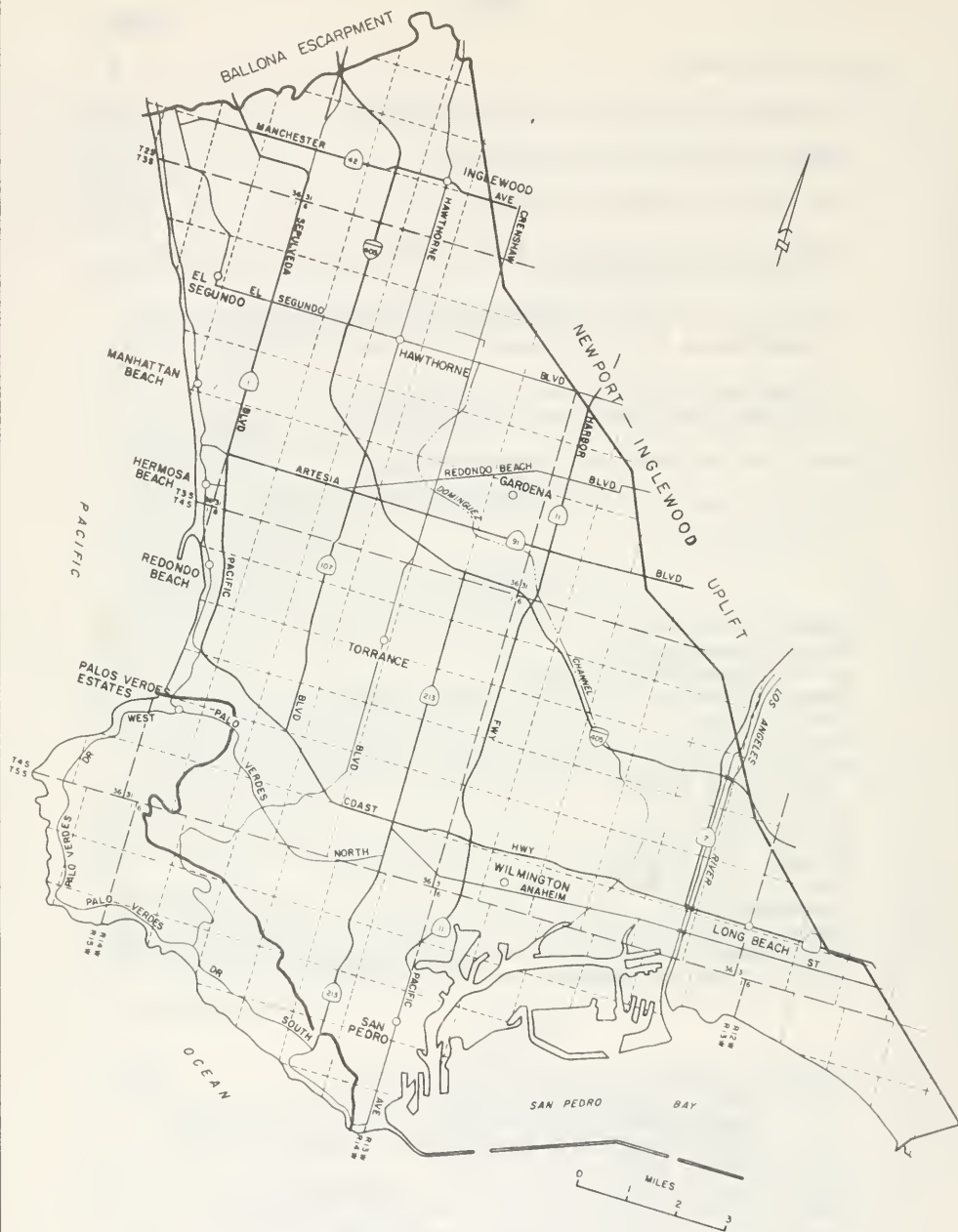


Figure I. WEST COAST BASIN

I. THE WEST COAST BASIN

The West Coast Basin is a relatively small ground water basin underlying the southwestern part of the Los Angeles Coastal Plain. It is bounded on the south and west by the Pacific Ocean, on the north by the Ballona Escarpment, and on the east by the Newport-Inglewood Uplift. Most of the Basin's 160 square miles includes 19 incorporated cities. A substantial portion of the water needed by these communities can be pumped directly from the ground water in storage beneath them.

Some 21 years ago, when an incursion of sea water caused by declining water levels threatened the quality of the ground water supply, timely legal action was begun to halt the overdraft and prevent serious damage to the Basin. Today ground water use in the Basin is monitored by a court-appointed Watermaster whose primary job is to control ground water use and report all significant water-related events in the Basin to the Superior Court in Los Angeles County and parties to the West Coast Basin Judgment. The Basin has been operated under the management of a Watermaster for twelve years.

History of Water Resources Development

The absence of adequate surface water supplies in the West Coast Basin forced the early development of ground water sources. In 1870, the communities of Inglewood and Long Beach had tapped the artesian wells and springs east of the Newport-Inglewood Uplift. When the artesian wells ceased to flow, water users were forced to drill small wells for water. By 1904, about 100 wells were producing 10,000 acre-feet of water annually.

The techniques used to develop ground water were advanced dramatically in 1909 with the advent of the deep well turbine pump. Its tremendous adaptability and superior operating characteristics gave countless water users access to efficient water wells. Dependable sources of water attracted industry and agriculture and in time the demand for water exceeded the rate at which the Basin was being replenished naturally. The resulting overdraft was clearly shown by falling ground water levels and expanding areas of sea water intrusion. Water levels throughout the Basin dropped below sea level in the 1920's. Water wells along Santa Monica Bay had been abandoned by 1920 because the water was too salty to use. By 1932 the entire coastal reach of the Basin had been invaded by sea water.

Ground water deterioration continued until in 1945 the California Water Service Company, the City of Torrance, and the Palos Verdes Water Company filed suit in Superior Court, Los Angeles County. Their objectives: to quiet title to the ground water rights of each pumper and to establish control over ground water extractions from the Basin. Other organizations moved to support the litigations and the West Basin Water Association was formed in 1946. A plan to manage the Basin's water resources was set up to:

- 1) Provide a supplemental water supply for major producers
- 2) Limit ground water extractions
- 3) Create an exchange water pool to provide pumping rights for water users not having access to supplemental water.

The first of these steps was realized in 1947 when the West Basin Municipal Water District was formed to distribute water from the Colorado River. The District was annexed to the Metropolitan Water District of Southern California in 1948, and Colorado River water began flowing into the West Coast Basin.

The second and third steps began when the Court held its preliminary hearings in 1946 to define the ground water problem and outline areas in which more information was needed. The Court then asked the California Division of Water Resources (now the Department of Water Resources) to define the boundaries and determine the geologic and hydrologic characteristics of the West Coast Basin. Division personnel spent six years analyzing the physical properties of the Basin. The major water producers also retained an "Engineering Advisory Committee" to aid the investigation.

As more information became available, the full magnitude of the problem became evident. In 1949, an amended complaint added 340 parties to the suit. A "Report of Referee" was filed with the Court on September 15, 1952.

Several years passed before water users became sufficiently alarmed by ground water conditions to draft an Interim Agreement that reduced ground water extractions until a final Judgment was approved. The Court approved the Agreement and appointed the Division of Water Resources as Watermaster to administer it.

A "Final Report of Referee" filed on June 8, 1961, included data on ground water conditions between 1950 and 1956. The Report provided the information needed to draft the final Judgment. On August 18, 1961, after 16 years of litigation, the Court rescinded the Interim Agreement and signed the West Coast Basin Judgment. The new Judgment retained the (now) Department of Water Resources as Watermaster.

A second suit, often called the American Plant Growers Case, was filed in October 31, 1956. As a result, 76 additional parties were placed under the jurisdiction of the Court on March 24, 1966. Appendix A lists all parties originally under jurisdiction of the Court and all successors in interest.

Watermaster Service

Watermaster service areas are created by the Department of Water Resources either at the request of water users or by order of the Superior Court. Cost of the service is shared equally by the State and the participating water users.

Once a month every ground water pumper reports his ground water extractions to the Watermaster and each water right account is revised by computation of the amount pumped during the previous month, the total amount pumped thus far during the current water year, and the amount that can legally be pumped during the remainder of the water year. Each pumper receives an updated copy of his account every month.

Accurate measurement of ground water extractions is absolutely necessary to the success of the Basin's management plan. Therefore, the field staff calibrates the water meter on every active water well at least once every two years. Every available means, including system efficiency tests, are used to confirm water meter test results. Inaccurate meters must be repaired in 30 days. Follow-up tests on repaired meters and initial tests on new wells are scheduled whenever necessary.

Once each fall and once each spring of each water year the depth to the static ground water level is measured in about 350 water wells in the Basin. The measurements are used to prepare "fall" and "spring" contour maps of ground water surface and "fall-to-fall" maps of areas of equal elevation change over a one-year period.

II. WATER SUPPLY

Water from several sources serves Southern California -- Colorado and Owens Rivers water, State Project water from Northern California, mountain runoff, ground water, and water from coastal desalination plants.

Precipitation

Typically sparse rainfall has little influence on the ground water supply of the West Coast Basin. Impermeable material lying between the surface and the producing aquifers prevents almost all rainfall from reaching zones from which it could be pumped to the surface. Longtime average precipitation is 12.73 inches per year. Average for the 1972-73 water year was about 128% of that amount. Locations of precipitation stations used to measure rainfall in the basin are shown in Figure 2.

Ground Water Recharge

Natural replenishment of the basin's ground water supply is limited to underflow from the Central Basin, which bounds the West Coast Basin on the east.

TABLE I. SPREADING OPERATIONS

Water Source	Quantity, in acre-feet	
	1971-72 Water Year	1972-73 Water Year
Local runoff	23,778 ^{a/}	44,835 ^{c/}
Reclaimed water:		
Whittier Narrows	17,543	13,622
San Jose	--	8,327
MWD water purchased:		
With Central and West Basin		
Water Replenishment District funds	29,490	71,947
By Central Basin Municipal		
Water District ^{b/}	0	20,000
Makeup water from Upper San		
Gabriel Basin	0	0
TOTALS	70,811	156,731

a/ Information provided by the LACFPD as to amount actually spread in Montebello Forebay Area.

b/ With funds from Long Beach action.

c/ Includes rising water.

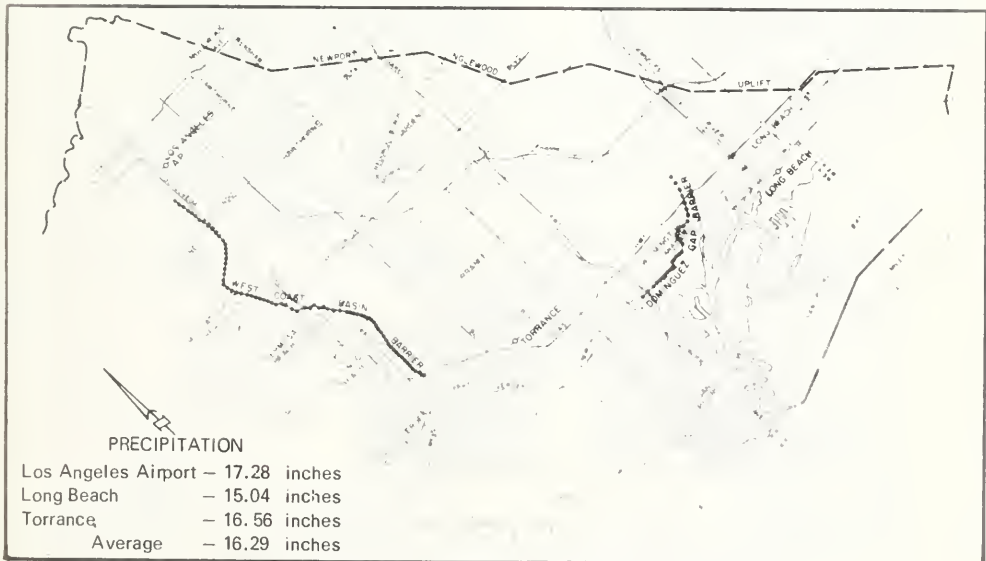


Figure 2. PRECIPITATION STATIONS AND BARRIER PROJECTS

Water spread in the Central Basin percolates into aquifers there and eventually some water crosses the Newport-Inglewood Uplift to supplement the ground water supply in the West Coast Basin. Although the water is not directly applied to the West Coast Basin, this process returns large quantities of water to the ground and substantially increases natural sub-surface flow from the Central to the West Coast Basin. Effectiveness of the process is limited to the space available in one basin for spreading facilities and the other basin's capability to accept the water. The entire spreading operation is summarized in Table 1. Metropolitan Water District (MWD) water is no longer purchased with Los Angeles County Flood Control

District Zone 1 funds. The assessments for the fund were terminated on June 30, 1972.

Water Wells

In the 1972-73 water year the West Coast Basin contained 821 wells; 105 active; and 130 inactive; 121 injection and 462 observation. Plate 1 shows the location and status of wells as of the end of the water year. Four wells were drilled and 11 were destroyed. Appendix C lists the new wells drilled and those destroyed.

A numbering system designated as a State Well Number is assigned to all water wells for identification in the basin. This system is explained in Figure 3.

State well numbers that identify each water well in the West Coast Basin are derived from a system based on the U. S. Public Land Survey. Each number consists of township and range designation, a section number, a letter representing the 40-acre tract in which the well is situated, a sequence number indicating the chronological order in which the well number was assigned, and a letter repre-

sending the base and meridian. The last letter is frequently omitted from well numbers in a single area because all wells there share a single base and meridian. Well numbers are assigned by the Watermaster.

The components of well No. 4S/14W-13D06S, for example, are identified in the following breakdown:

Township	Range	Section	Tract	Sequence number	Base and meridian
4S	14W	13	D	06	S

The derivation of the components is illustrated below.

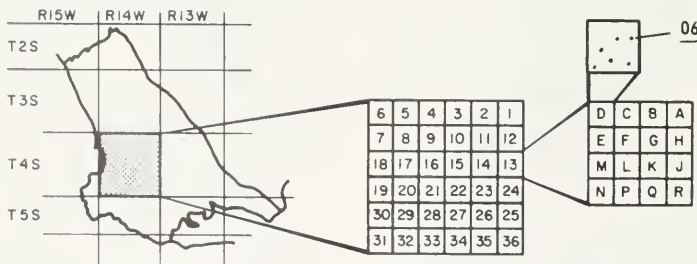


Figure 3. SYSTEM FOR WATER WELL IDENTIFICATION

Sea-Water Intrusion Barrier Projects

Sea-water intrusion in the West Coast Basin barrier project has been effectively halted by a line of 92 injection wells that parallel the coast between the Los Angeles International Airport and the Palos Verdes Hills. The Los Angeles County Flood Control District, which operates the project, injects filtered Colorado River water into the barrier to create a pressure ridge that impedes the inland movement of a salt-water front and maintains protective ground water elevations in the Silverado and "200-foot sand" aquifers. Water for the barrier is purchased by the Central and West Basin Water Replenishment District and delivered by the Metropolitan Water District. Scope of the project is shown in Figure 4, which illustrates the extent to which sea water has intruded into the merged phases of the Silverado aquifer. In January 1973, State Project water was injected for seven days.

A second barrier to sea-water intrusion was built by the LACFCD along San Pedro Bay. This project, called the Dominguez Gap barrier project, started operations during February 1971 and operates in a manner similar to the West Coast Basin barrier project. The project has 29 injection wells located as shown in Figure 2. Table 2 gives additional data on the barrier projects. In January 1973, State Project water was injected for seven days.

TABLE 2. BARRIER OPERATIONS

Operation	West Coast Basin	Dominguez Gap
Quantity injected, in acre-feet	28,148	8,468
Average injection rate, cubic feet per second	38.12	11.69
Number of injection wells	92	29
Number of injection wells to be added during 1973-74 water year	265	197
Number of observation wells to be added during 1973-74	11	0
	7	19

a/ Information provided by the Los Angeles County Flood Control District.

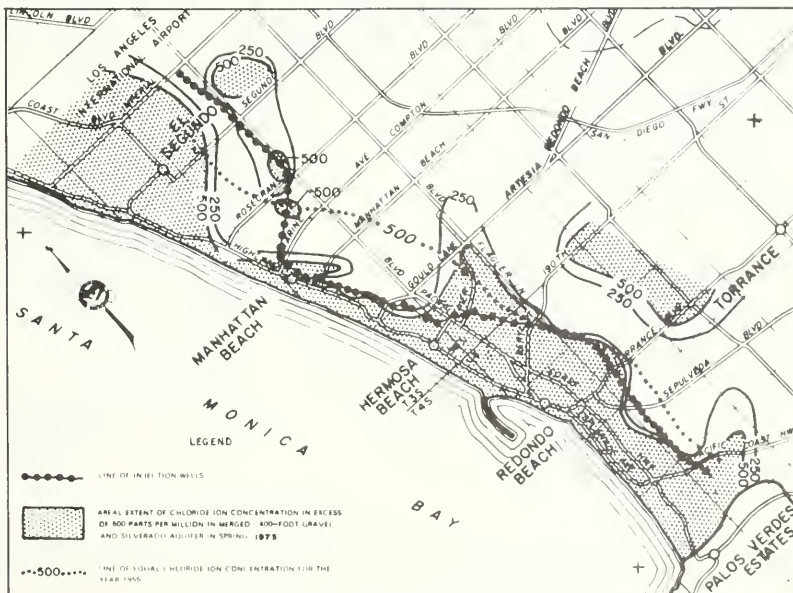
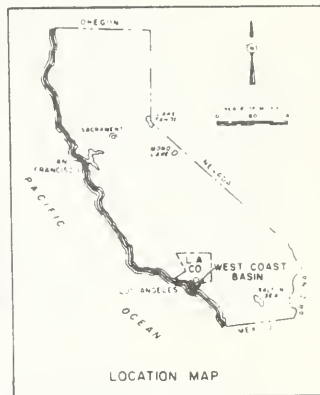
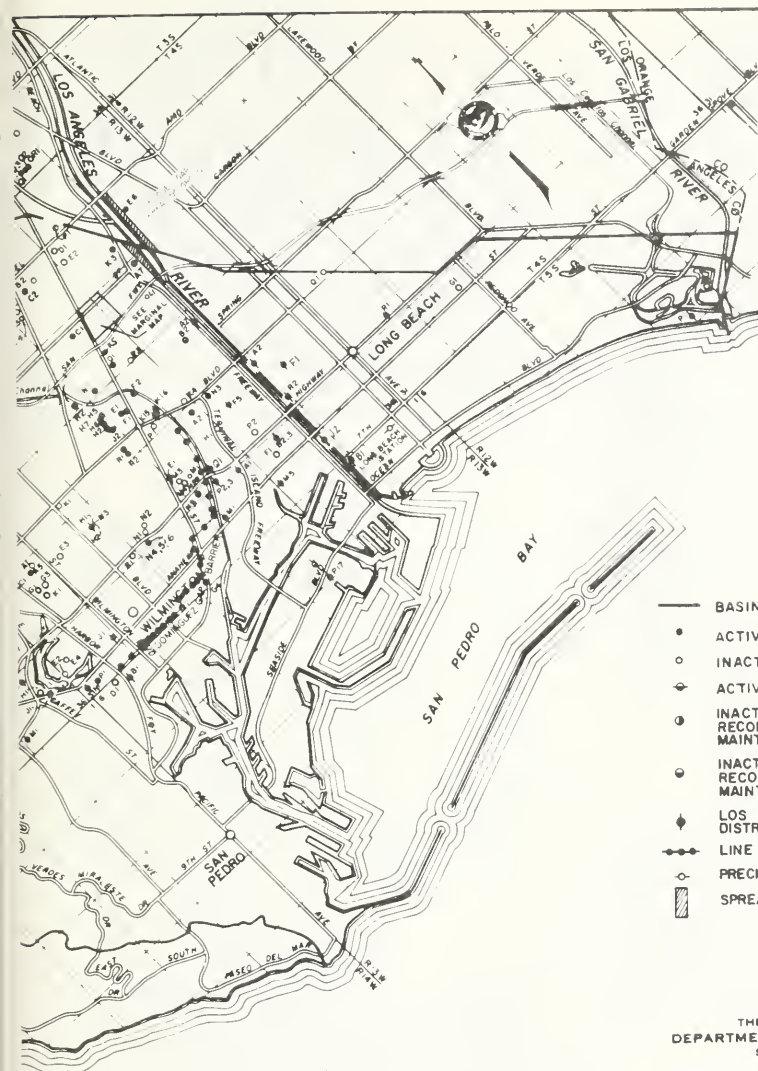


Figure 4 WEST COAST BASIN BARRIER PROJECT





LEGEND

- BASIN BOUNDARY
- ACTIVE WELLS OF PARTIES
- INACTIVE WELLS OF PARTIES
- ⊙ ACTIVE WELLS OF NONPARTIES
- ⊙ INACTIVE WELLS ON WHICH CONTINUOUS RECORDERS MEASURING WATER LEVELS ARE MAINTAINED BY D.W.R.
- ⊙ INACTIVE WELLS ON WHICH CONTINUOUS RECORDERS MEASURING WATER LEVELS ARE MAINTAINED BY PARTIES.
- ◆ LOS ANGELES COUNTY FLOOD CONTROL DISTRICT OBSERVATION WELLS
- LINE OF INJECTION WELLS
- ◇ PRECIPITATION STATION
- ▨ SPREADING GROUNDS

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

WEST COAST BASIN WATERMASTER SERVICE

**LOCATION OF WELLS
AND
PRECIPITATION STATIONS**



Ground Water Levels

The volume of ground water stored in the West Coast Basin is constantly changed by variations in subsurface inflow and outflow, artificial recharge, extractions, and in precipitation, to a lesser degree. The Silverado Aquifer, underlying most of the West Coast Basin, is the most productive aquifer in the basin. Varying from 100 to 500 feet in thickness, it yields about 80 to 90 percent of the ground water extracted annually.

Measurements of ground water surface elevations, (Plates 2 and 3), and the summarization of changes in water level elevations (Plate 4), demonstrate an increase in storage along the northern part of the basin, where extractions have been reduced, and a decrease in storage in the southeastern area where extractions have increased. The hydrographs of selected wells representative of the various aquifers underlying the basin (Figures 5, 6, 7) show that the water surface has stabilized. In some cases, it has risen slightly, due to recharge operations and changing extraction patterns.

In Lieu Replenishment

During the 1965-66 water year, the Central and West Basin Water Replenishment District began a program of in lieu replenishment. By contract with the Replenishment District, any producer with access to supplemental water may use it instead of water pumped from the ground. The program may be used to:

- 1) Alter pumping patterns within a ground water basin;
- 2) Replenish areas of low transmissibility where conventional recharge techniques are ineffective;
- 3) Heighten the effect of injecting water to form a sea-water barrier by reducing nearby extractions;
- 4) Reduce the amount of replenishment water purchased by the District;

- 5) Reduce the annual ground water extraction from the West Coast Basin.

When the District first announced its intention to begin in lieu replenishment, several West Coast Basin producers expressed an interest. However, the only producer to participate so far has been the California Water Service Company. The in lieu replenishment program is an effective basin management tool which, if expanded, could obtain significant beneficial results. The Central and West Basin Water Replenishment District, 7439 East Florence Avenue, Downey, California, 90240, is a source of additional information.

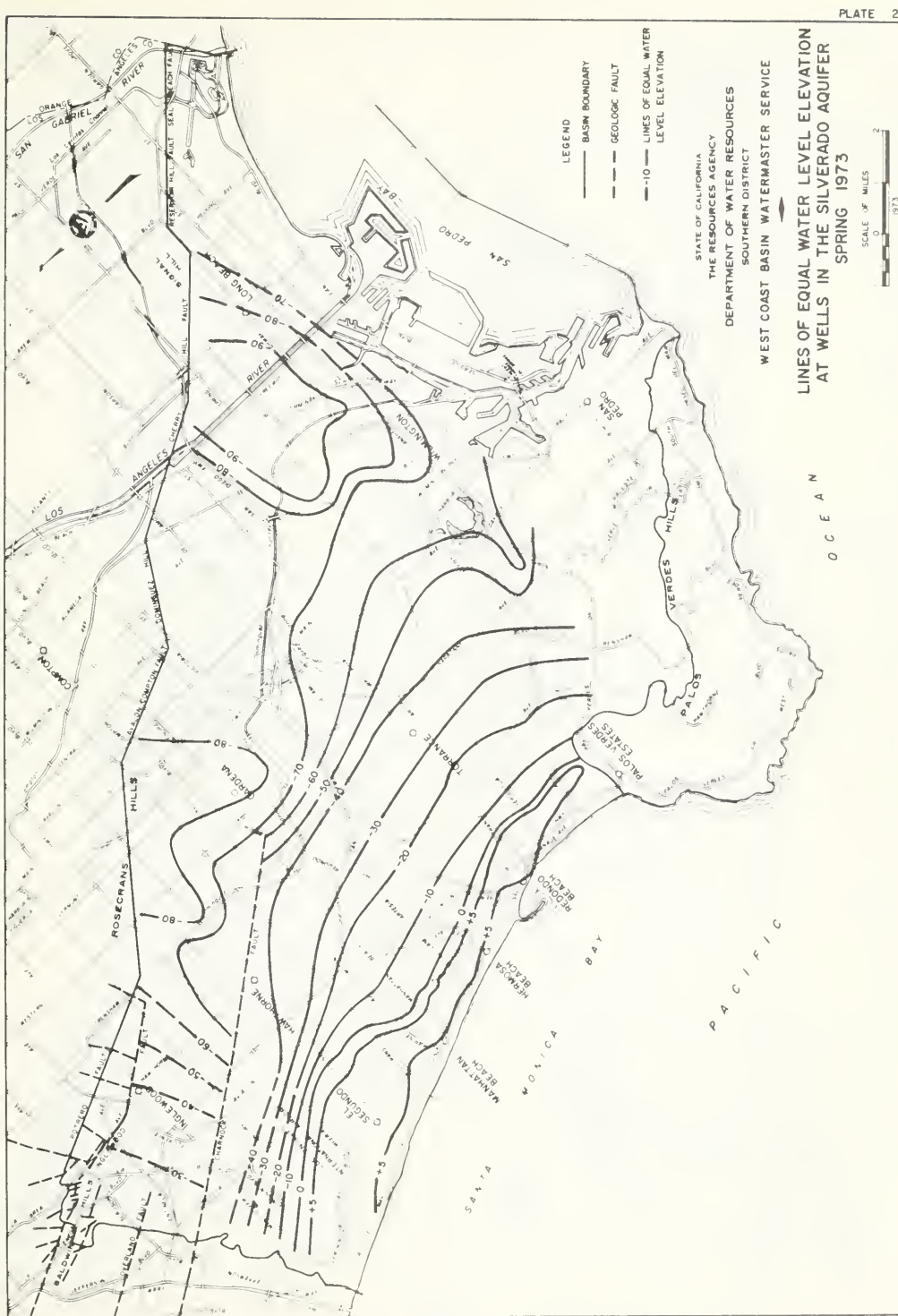
TABLE 3. IN LIEU REPLENISHMENT PROGRAM ^{a/}

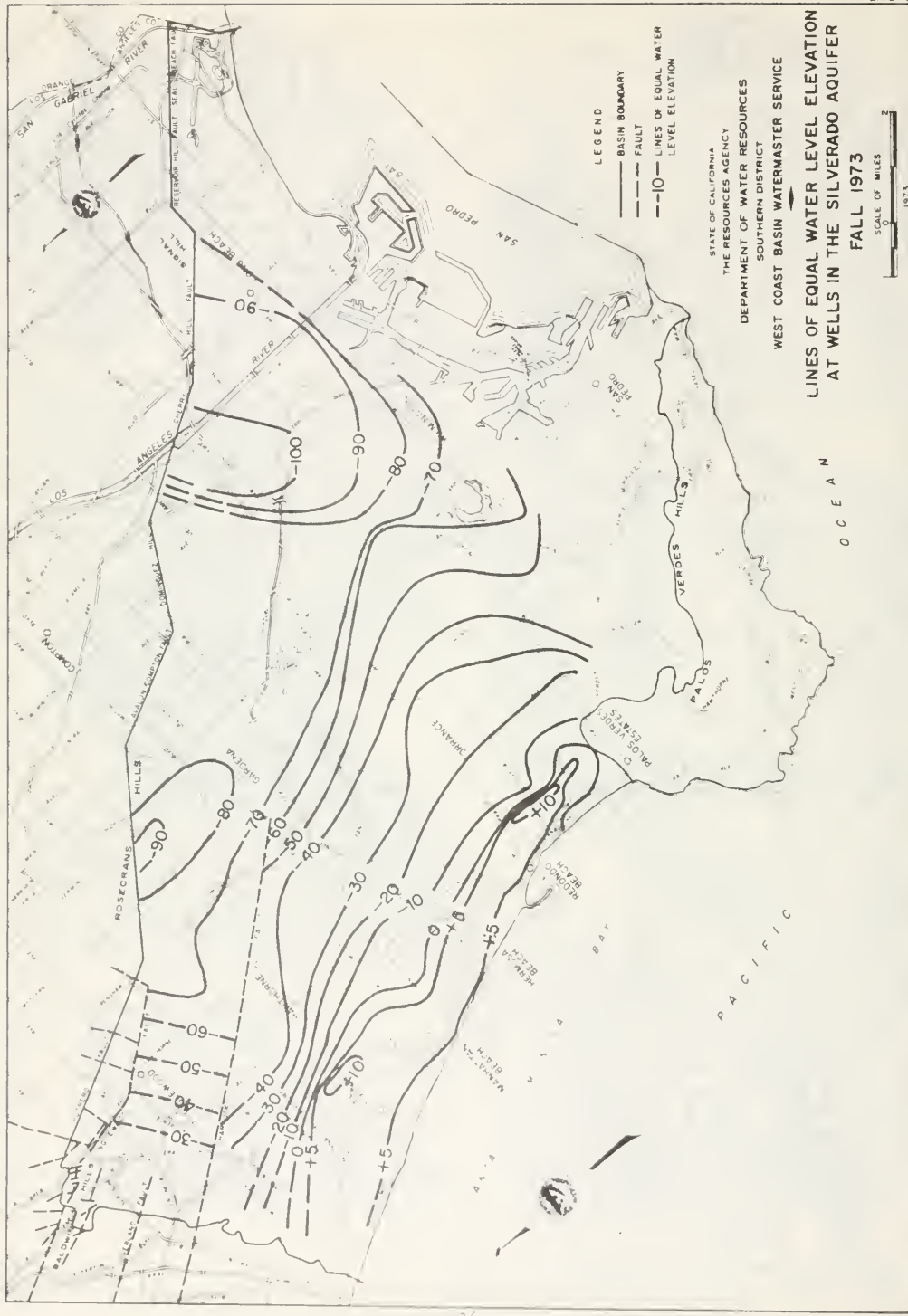
Water Year	Amount contracted in acre-feet	Contract price, dollars per acre-foot	Total Payment
1965-66	744.59	\$ 12.33	\$ 9,180.79
1966-67	850.57	14.14	12,027.06
1967-68	850.00	13.36	11,356.00
1968-69	850.00	14.25	12,112.50
1969-70	899.88	15.32	13,786.16
1970-71	881.30	17.83	15,713.58
1971-72	755.55	20.01	15,118.56
1972-73	901.28	20.78	18,728.60

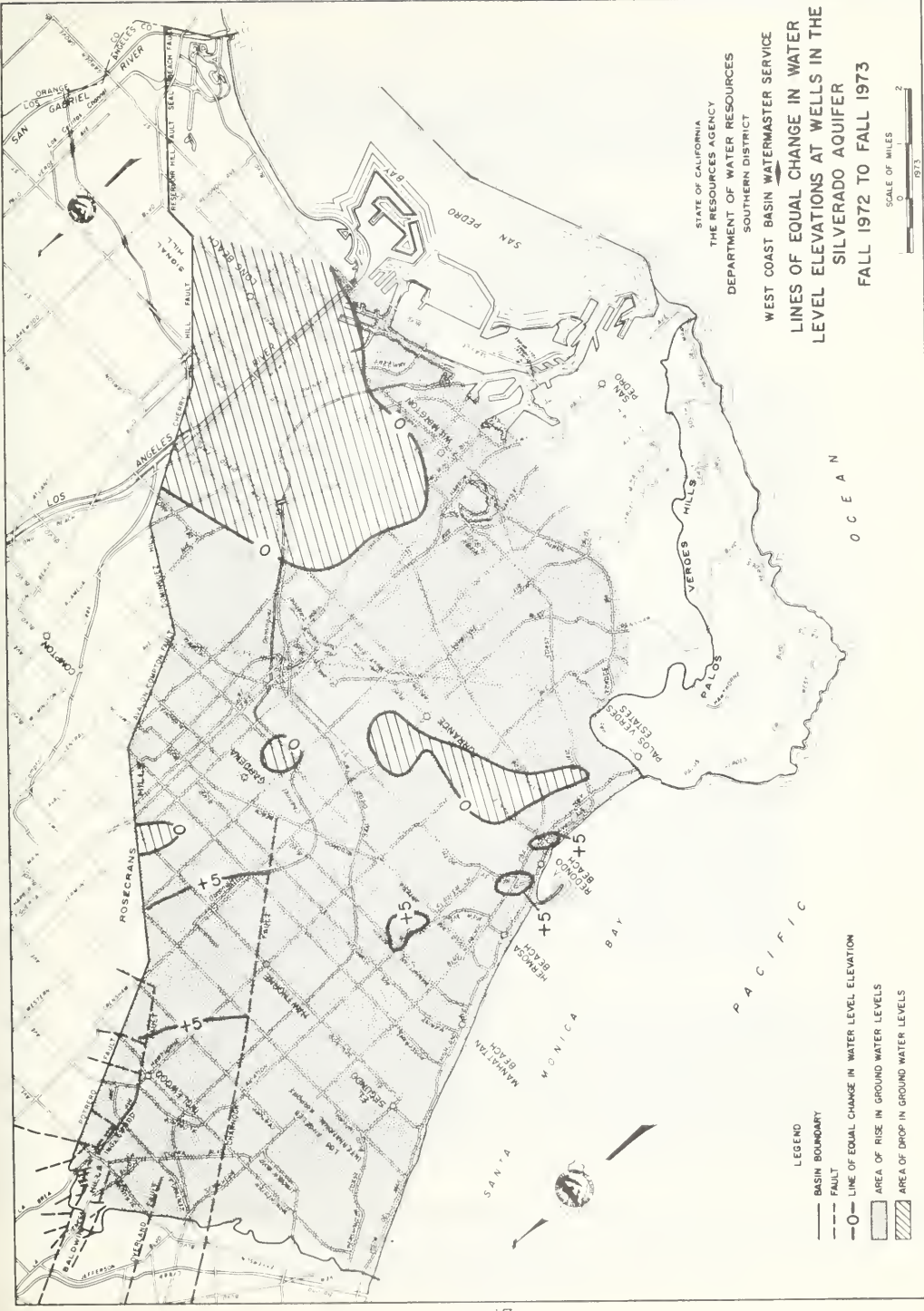
^{a/} Information provided by the Central and West Basin Water Replenishment District.

Water Quality

Providing good quality ground water for the West Coast Basin depends to a great extent on the use of correct water well construction methods. Some aquifers in the Basin are hydraulically connected to the ocean and occasionally sea water moves from them into adjacent fresh-water aquifers. If a well being drilled without proper casing techniques passes through both saline and fresh water aquifers, the sea water can move from the polluted aquifer to the unpolluted one.







WATER LEVEL ELEVATION AT WELLS IN FEET - USGS DATUM

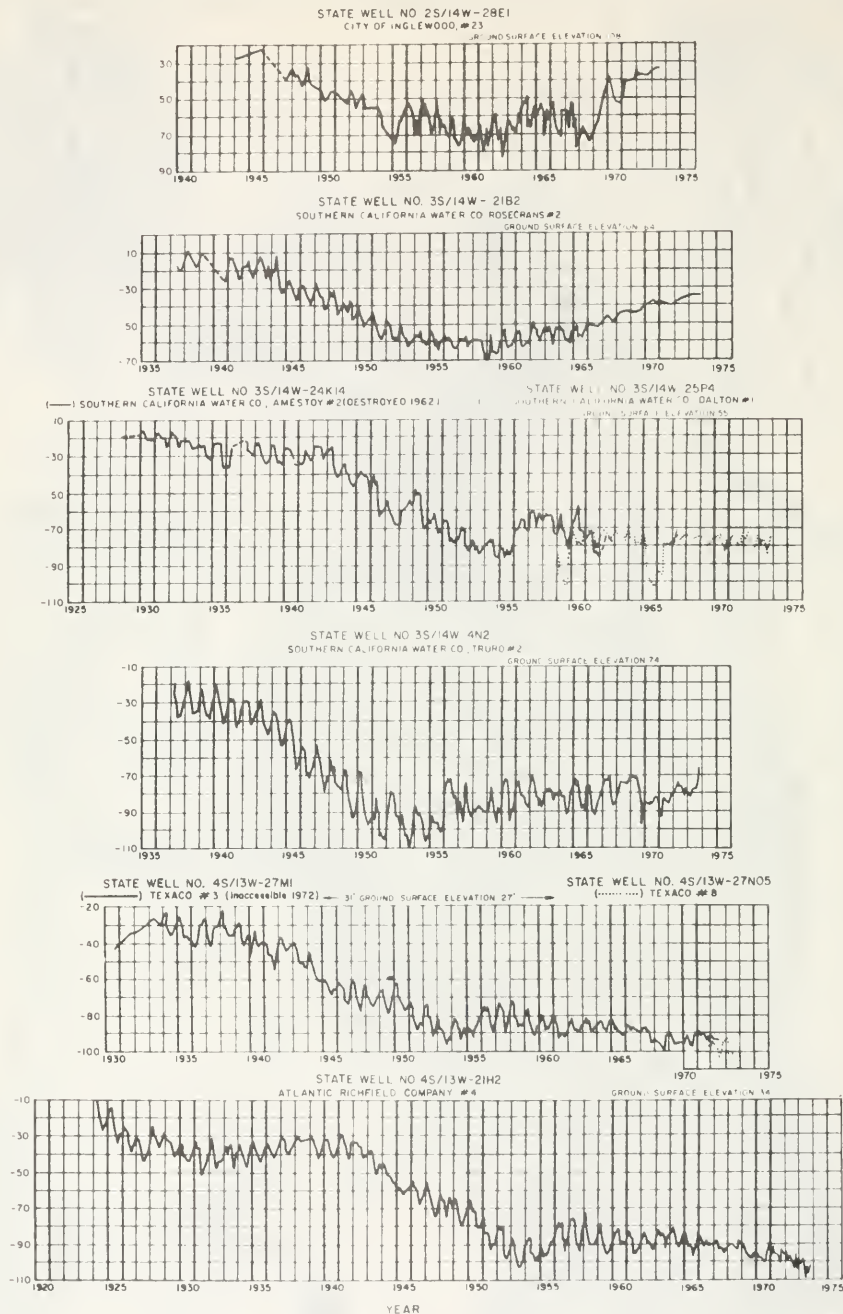
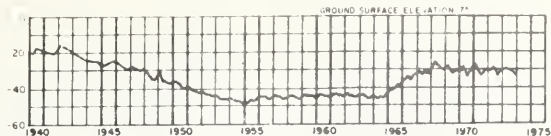


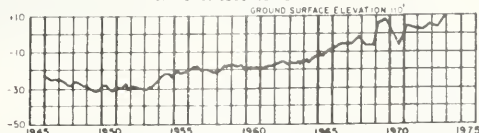
Figure 5- FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS IN THE SILVERADO AQUIFER

WATER LEVEL ELEVATION AT WELLS IN FEET - USGS DATUM

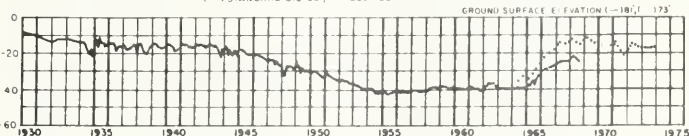
MERGED GARDENA, LYNNWOOD AND SILVERADO AQUIFERS
STATE WELL NO 45/14W-31L3
MOBILE OIL CO #3



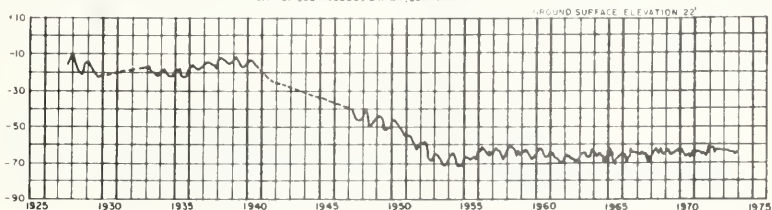
MERGED LYNNWOOD AND SILVERADO AQUIFERS
STATE WELL NO 35/15W-12B1
CITY OF EL SEGUNDO #10



STATE WELL NO 45/14W-22D1 STATE WELL NO 45/14W-21L2
(—) STANDARD OIL CO, MARBLE FEE #1 (---) TORRANCE UNIFIED SCHOOL DISTRICT WELL



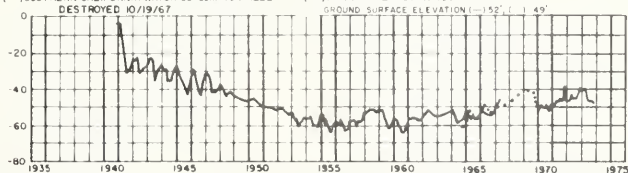
STATE WELL NO 45/13W-31E4
CITY OF LOS ANGELES DWR AP, LOMITA #4



LYNNWOOD AQUIFER

STATE WELL NO 35/14W-23L1
(—) SOUTHERN CALIFORNIA WATER CO COMPTON WELL
DESTROYED 10/19/67

STATE WELL NO 35/14W-22K1
(---) PARK WATER CO #15C



STATE WELL NO 45/13W-30K1
CITY OF LOS ANGELES DWR AP, LOMITA #7

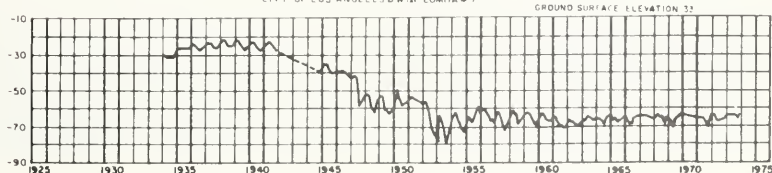
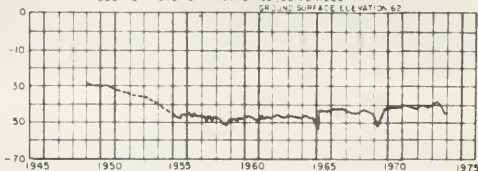


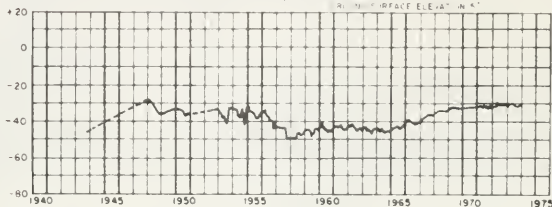
Figure 6— FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS
IN THE MERGED PHASES OF SILVERADO AND LYNNWOOD AQUIFERS

WATER LEVEL ELEVATION AT WELLS IN FEET — USGS DATUM

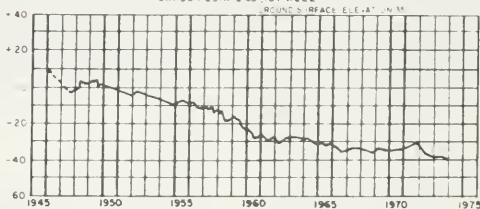
GARDENA AQUIFER
STATE WELL NO 35/13W-29A2
SOUTHERN CALIFORNIA WATER CO. OLIVE WELL
GROUND SURFACE ELEVATION 62'



GAGE AQUIFER
STATE WELL NO 35/14W-22R2
PARK WATER CO. #15A
GROUND SURFACE ELEVATION 15'



GASPAR AQUIFER
STATE WELL NO 45/13W-11K3
CARSON ESTATE CO. TOY WELL
GROUND SURFACE ELEVATION 11'



STATE WELL NO. 45/13W-2PI
(—) DEL AMO ESTATES #8858

STATE WELL NO. 45/13W-11D1
(---) DOMINGUEZ ESTATES CO. EILEPS SOUTH WELL
GROUND SURFACE ELEVATION 35' ± 18'

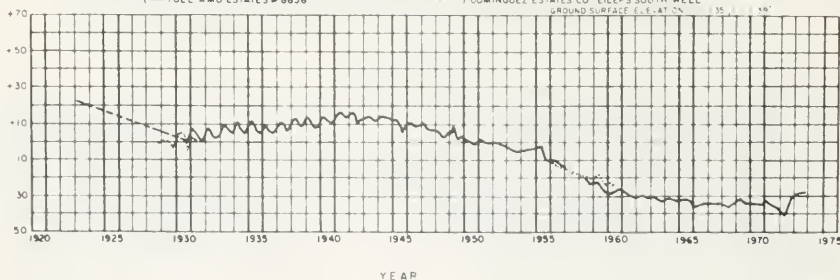


Figure 7— FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS
IN THE UPPER PLEISTOCENE AND RECENT AQUIFERS

To prevent such occurrences, the Department of Water Resources conducted an intensive investigation that culminated in the publication of recommended standards for water well construction and destruction.^{1/} Adoption hearings on these standards were held in 1969 by the Los Angeles Regional Water Quality Control Board, and it now reports that all local agencies and municipalities in the West Coast Basin have adopted them.

Solid waste is another factor that can affect ground water quality in the basin. A shortage of disposal sites for this material has become increasingly critical. Abandoned gravel pits are particularly sought after. One of these is the Chandler Pits just south of the Pacific Coast Highway. Several applications for permission to use this site for disposal of solid waste have been refused because of the potential degradation of ground water.

The Central and West Basin Water Replenishment District, the West Basin Water Association, and others have vigorously opposed these applications. One applicant had asked to deposit decomposable solid waste in the pits.

In December 1968, the Regional Board reaffirmed its restriction to deposition of inert material. The matter was appealed, but during the 1970-71 water year the appeal was dropped. During the 1972-73 water year no additional requests to use the pits for solid waste disposal were received.

^{1/} DWR Bulletin No. 74, "Water Well Standards; State of California", February 1968; and DWR Bulletin No. 107, "Recommended Well Construction and Sealing Standards for Protection of Ground Water Quality in West Coast Basin Los Angeles County", August 1962.

Basinwide Water Quality Monitoring

In compliance with the Beilenson Health Act, the West Coast Basin Water Association has initiated a basin-wide plan to monitor water quality of water being pumped for domestic use.

Title 17 of the California Administrative Code, more particularly Part 1, Chapter 5, Subchapter 1, defines the limits of the trace elements and pollutants acceptable for water for domestic use. Sixteen wells have been selected for monitoring. Two each of the City of Los Angeles and California Water Service Company, and twelve under a cooperative plan sponsored by the cities of Manhattan Beach, El Segundo, Hawthorne, Inglewood, and Torrance; two water companies, Southern California Water Company and Dominguez Water Corporation; and Los Angeles County Water Works District No. 22; with the laboratory work being performed by Clinical Laboratories of San Bernardino.

Construction Projects Affecting Water Supply

Three major projects have significantly affected the water supply of the West Coast Basin: The State Water Project, the Metropolitan Water District's distribution system, and the second barrel of the Owens River-Mono Basin Aqueduct of the City of Los Angeles.

All have been completed within the past three years and are now providing a very beneficial service to the basin. MWD's Sepulveda Feeder began deliveries, on December 1, 1972, and is the main source of Northern California water into the basin. State Project water was approximately 18 percent of the total water imported during 1972-73.

III. WATER USE

In the 1972-73 water year, the West Coast Basin provided approximately 295,000 acre-feet of water, 20,000 acre-feet less than it provided in the 1971-72 water year. Ground water extractions were approximately 4,200 acre-feet less than the previous year's extractions. These decreases are attributable to the above-normal rainfall.

The population increase in the West Coast Basin has caused water demand to increase substantially since 1943. Prior to 1955, ground water served most of the demand. However, when the Judgment reduced extractions to about 60,000 acre-feet annually, imported water became the largest component of the basin's water supply.

Figure 8 depicts the monthly relationship among rainfall, ground water extractions, and imported supplies. Figure 9 illustrates annual ground water extractions and total water use from 1933 to the present. Much of the increase since the 1963-64 water year may be attributed to the West Coast Basin barrier project. Water demand for that purpose has leveled off since completion of the project in 1968.

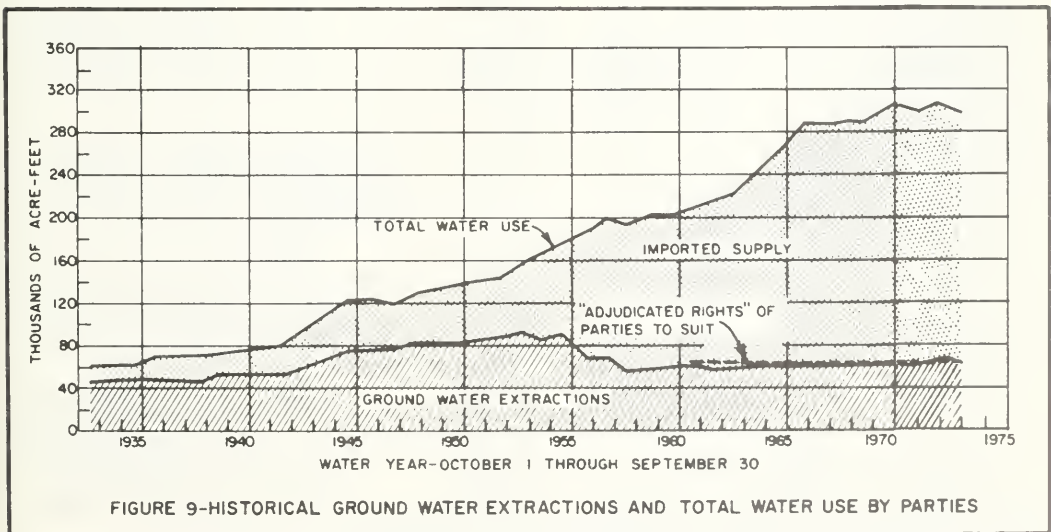
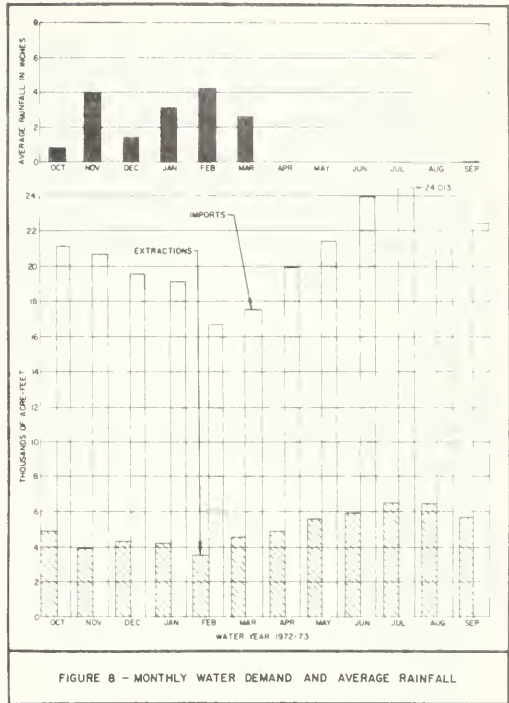


TABLE 4. SUMMARY OF WATER ACCOUNTS OF PARTIES, 1972-73 WATER YEARS
In acre-feet

PARTY	(1) ADJUDICATED RIGHT	(2) ALLOWABLE CARRYOVER FROM 71-72	(3) EXCH. WATER PURCH. (+) OR SOLD (-)	(4) NET LEASES B/	(5) ALLOWABLE EXTRACTION (1)+(2)+ (3)+(4)	(6) AMOUNT PUMPED	(7) BALANCE (5)-(6)	(8) ALLOWABLE CARRYOVER INTO 73-74
A R C NURSERY, INC	22.10	+6.01	+21.00		37.00	27.03	10.06	+21.01
AMERICAN PLANT GROWERS INC	10.00	-1.58	+25.00		33.42	29.26	4.18	+2.00
ASAHI FARMY CO., INC	2.00	+2.00		+12.10	16.10	0.00	16.10	+2.00
ATLANTIC RICHFIELD COMPANY	4,442.00	+21.95		+6,660.00	11,099.95	10,786.66	313.29	+313.29
AUTOMATION INDUSTRIES INC-HARRIS TUBE	0.70	+2.00		2.70	0.00	0.00	2.70	+2.00
BARTLEY HOLLANDER CURCI INC B/	3.33	+2.00			5.33	0.00	5.33	+2.00
CALIFORNIA WATER SERVICE COMPANY	4,070.00	+307.10		-909.00	3,371.10	2,169.72	1,201.38	+307.10
CARSON-MADRONA COMPANY	104.00	+3.00		-104.00	0.00	0.00	0.00	+0.00
CHANDLER PALOS VERDES SAND-GR CORP	294.20	+37.84	+100.00		356.36	396.58	-40.22	+40.22
COLUMBIA BROADCASTING SYSTEM INC	9.50	+0.00		-9.50	0.00	0.00	0.00	+0.00
CURTIS, OWEN W	0.36	+1.44			1.80	0.00	1.80	+1.80
DELANEY, GOLDA, ESTATE OF	4.10	+2.00			6.10	0.00	6.10	+2.00
DESEPP ENTERPRISES	0.00	+6.00			6.00	0.16	5.84	+6.00
DOMINGUEZ WATER CORPORATION	10,150.65	-643.31		-600.00	9,107.34	9,136.38	-35.04	-35.04
EL SEGUINO, CITY OF	953.00	+0.00			953.00	603.99	349.01	+453.30
ENGEL, MAX, JAKE	12.10	+0.00		-12.10	0.00	0.00	0.00	+0.00
ETCHEMENDY, CAROLINE, ESTATE OF	4.20	+0.00		-4.20	0.00	0.00	0.00	+0.00
FLETCHER OIL AND REFINING COMPANY	90.00	+0.00			90.00	72.45	26.15	+0.00
FUJIMOTO, KAMEI, O + RAYMOND S	20.00	+2.00			22.00	12.50	19.50	+2.00
FUTURA INDUSTRIES, INCORPORATED	44.40	+6.44			48.84	0.00	48.84	+6.44
GARNETT CORPORATION, THE	22.50	+2.25			24.75	0.00	24.75	+2.25
GEORGIA-PACIFIC CORPORATION	3.40	+2.00			5.40	0.00	5.40	+2.00
GILLINGHAM, FLORENCE P ET AL	2.40	+0.00			2.40	0.00	2.40	+2.00
GONZALES, FELIPE AND GABRIELA	34.30	+0.00		-34.30	0.00	0.00	0.00	+0.00
GRANT, JOHN, ESTATE OF	50.00	+5.00			55.00	0.00	55.00	+5.00
HAWTHORNE, CITY OF	1,882.00	-6.83			1,875.17	1,874.52	0.65	+0.65
HILLTOP MEMORIAL PARK	29.20	-0.34		+0.00	78.86	65.51	13.35	+2.92
HOLLYWOOD TURF CLUB	282.00	+28.20			310.20	224.92	85.28	+28.20
INDUSTRIAL CHEM DIV-ALLIED CHEM CORP	255.00	+25.50			280.50	68.26	232.24	+25.50
INGLEWOOD, CITY OF	4,002.00	+88.46		-1,000.00	3,686.55	3,039.26	647.29	+647.21
INOUE, FUMIICHI	5.40	+0.93	+13.00	+2.20	21.53	15.01	5.52	+2.00
JOHNS-MANVILLE PRODUCTS CORP	881.00	+53.71			934.71	886.16	48.55	+48.55
LAGEPLOS, STANLEY C	3.50	+0.00		-3.50	0.00	0.00	0.00	+0.00
LEHMEN, ALFRED	0.70	+2.00			2.70	0.00	2.70	+2.00
LEUZINGER, EMMA L, ESTATE OF	1.40	+2.00			3.40	0.00	3.40	+2.00
LONG BEACH, CITY OF	0.70	+2.00			2.70	0.00	2.70	+2.00
LOPEZ, FRANK	3.70	+2.00			5.70	0.00	5.70	+2.00
LOS ANGELES, CITY OF	1,503.00	+243.01		-1,000.00	2,746.01	2,798.58	-52.57	+0.00
LOS ANGELES COUNTY ALONDRA PARK	67.70	+0.00			67.70	503.28	-435.58	+0.00
LOS ANGELES COUNTY SANIT DIST NO 2	102.00	-12.10			89.90	87.19	2.71	+2.71
LOS ANGELES COUNTY WMS DIST NO 13	1,352.00	+135.20		-1,000.00	487.20	0.00	487.20	+135.20
LOS ANGELES COUNTY WMS DIST NO 22	551.00	+55.10			606.10	0.00	606.10	+55.10
LOS ANGELES COUNTY WEST AVE GOLF	296.00	+29.60	-94.00		229.60	101.53	128.07	+29.60
LOYOLA MARYMOUNT UNIVERSITY	4.00	+0.00		-4.00	0.00	0.00	0.00	+0.00
MANHATTAN BEACH, CITY OF	1,131.20	-14.54			1,116.26	640.61	475.65	+113.12
MAYFLOWER NURSERY	0.00	+6.62			6.62	0.00	-2.22	+2.22
MC DONNELL OIL & GAS CORP	2.70	+2.70			3.70	2.04	1.66	+2.00
MORILL OIL CORPORATION	2,570.00	+16.08		+1,500.00	4,086.08	4,079.36	6.72	+6.72
MORI, ROY H AND KENJI	3.60	+2.00			5.60	0.00	5.60	+2.00
NORTHROP CORPORATION, AIRCRAFT DIV	36.15	+3.62			41.97	0.00	41.97	+3.62
NOZAKI, SUMIICHI	2.00	+0.00			2.00	0.00	2.00	+2.00
OTANI, CHISATO	0.00	+0.00			47.42	47.42	0.00	+0.00
PACIFIC CREST CEMETERY COMPANY	10.40	+3.94		+47.42	43.36	17.00	26.36	+3.94
PALOS VERDES REGONIA FARM	0.00	+101.62	+3.00		0.62	1.37	3.25	+3.25
PARK WATER COMPANY	160.00	-7.91	+164.00		316.09	270.07	46.02	+16.00
PHILLIPS PETROLEUM COMPANY	147.00	-12.70	-161.00		14.30	0.00	18.70	+14.70
REHOP, JOSEPHINE G	2.70	+0.00		-2.70	0.00	0.00	0.00	+0.00
ROCKWELL, MICHAEL L	0.10	+0.40			0.50	0.00	0.50	+0.50
ROMAN CATHOLIC ARCHBISHOP OF L A	72.30	-1.55	0.00		130.75	136.71	-5.96	-5.96
SANTA FE LAND IMPROVEMENT COMPANY	79.50	+2.00		-79.50	0.00	0.00	0.00	+0.00
SCHEFFS, ESTHER W	5.50	+2.00			7.50	0.62	7.08	+2.00
SHELL OIL COMPANY	4,516.00	-22.54			4,493.46	4,478.53	14.93	+14.93
SOUTHERN CALIFORNIA EDISON COMPANY	52.70	+2.70		-47.42	7.98	15.30	-7.32	+0.00
SOUTHERN CALIFORNIA WATER COMPANY	6,546.64	-146.03			6,400.61	6,576.52	-175.91	-175.91
SPARKLETS DRINKING WATER CORP	152.60	+15.26			167.86	80.71	87.15	+15.26
STANDARD OIL OF CAL-WESTERN OIL INC	4,601.30	+3.30		-4,600.00	4.60	0.00	4.60	+4.60
STAUFFER CHEMICAL COMPANY	521.00	+20.33		+45.00	586.33	604.03	-17.70	-17.70
SUPREMAC OIL COMPANY	26.40	+2.64			29.04	0.00	29.04	+2.64
TEARO INCORPORATED	34,322.00	+66.66			34,378.14	3,875.02	588.12	+666.53
TORRANCE, CITY OF	3,806.73	+31.94		+1,033.30	3,838.67	3,870.22	-33.55	-33.55
UNION NURSERY INC	4.70	-3.06	+19.00		20.64	19.56	1.08	+1.08
UNION OIL COMPANY OF CALIFORNIA	2,670.00	+6.76		-1,600.00	1,076.76	1,632.31	-555.55	+0.00
UNITED CALIFORNIA BANK	7.00	+0.00			7.00	0.00	7.00	+2.00
UNITED STATES STEEL CORPORATION	1,791.00	+92.22	-177.00		1,606.00	1,061.22	544.78	+49.97
WATSON, J AND COMPANY	80.20	+2.42		-81.20	1.42	1.42	0.00	+0.00
WISBURN SCHOOL DISTRICT	8.20	+2.00			10.20	0.00	10.20	+2.00
ZETGLER, MAXWELL T	0.00	+12.90	+29.00		41.90	25.13	16.77	+16.77
TOTALS	64,668.25	+790.51	0.00	0.00	65,258.76	60,477.84	4,780.92	+1,824.93

a/ See Table 10 for explanation of leased or purchased water right entitlements and new parties.

b/ Entire amount is Exchange Pool water.

c/ Includes extractions by Inglewood Golf Course.

d/ Lease provided for carryover flexibility.

e/ Extractions by Los Angeles County: Alondra Park, Waterworks District Nos. 13 and 22, and Western Avenue Golf Course are covered by an equivalent water right in an exchange pool. All three water rights are combined and any remainder is divided among the agencies in proportion to their water right entitlements.

Ground Water Extractions

The West Coast Basin Judgment limits the amount of ground water that each party can extract annually from the basin or release to the Exchange Pool for pumping by other parties. Table 4 summarizes each party's water account. The metered ground water production

from each active well in the basin is listed by party in Appendix B, which shows the total ground water production reported by each party. Gross water supply of all parties, which appears in Table 5, includes all sources of water necessary to provide each party's total water requirement for its service area. The service areas are shown on Plates 5 and 6 (pages 28-31).

TABLE 5. GROSS WATER USE
In acre-feet

Party	Total ground water extractions	Purchased Supply		Total Supply
		Imported ^{a/}	Within basin ^{b/}	
ABC Nursery, Incorporated	27.03			27.03
American Plant Growers, Inc.	29.24			29.24
Asahi Fancy Koi, Inc.	0.00		c/	c/
Atlantic Richfield Company	10,784.66		2,322.84	13,107.50
Automation Industries	0.00		c/	c/
Barclay Hollander Curci, Inc.	0.00			0.00
California Water Service Company	2,169.72	26,080.10		28,249.82
Carson-Madrona Company	0.00			0.00
Chandler's Palos Verdes Sand and Gravel Corporation	396.58			396.58
Columbia Broadcasting System, Inc.	0.00			0.00
Curtis, Owen W.	0.00			0.00
Delaney, Golda, Estate of	0.00			0.00
Desser Enterprises	0.16			0.16
Dominguez Water Corporation	9,136.38	23,487.36 ^{e/}		32,623.74
El Segundo, City of	603.99	19,420.00		20,023.99
Engelsma, Jake	0.00		d/	d/
Etchemendy, Caroline, Estate of	0.00		c/	c/
Fletcher Oil and Refining Company	72.85		177.97	250.82
Fujioto, Samuel R. & Raymond S.	7.50			7.50
Futura Industries, Incorporated	0.00			0.00
Garrett Corporation, The	0.00			0.00
Georgia-Pacific Corporation	0.00		d/	d/
Gillingham, Florence R., et al.	0.00		d/	d/
Gonzales, Felipe and Gabriela	0.00		c/	c/
Grant, John, Estate of	0.00			0.00
Hawthorne, City of	1,874.52	3,300.40		5,174.92
Hillside Memorial Park	65.51		14.63	80.14
Hollywood Turf Club	224.92		122.36	347.28
Industrial Chemical Division, Allied Chemical Corporation	48.26		488.50	536.76
Inglewood, City of	3,039.26	8,676.70 ^{f/}		11,715.96

TABLE 5.
GROSS WATER USE
In acre-feet
(Continued)

Party	Total ground water extractions	Purchased Supply		Total Supply
		Imported ^{a/}	Within basin ^{b/}	
Inose, Kenichi	15.91		.71	16.62
Johns-Manville Products Corp.	886.16		439.97	1,326.13
Lagerlof, Stanley C.	0.00			0.00
Lermans, Alfred	0.00			0.00
Leuzinger, Emma L.	0.00		c/	c/
Long Beach, City of	0.00	28,964.79		28,964.79
Lopes, Frank	0.00			0.00
Los Angeles, City of	2,799.58	50,880.80 ^{h/}		53,680.38
Los Angeles County- Alondra Park	503.28		100.72	604.00
Sanitation District No. 2	87.19		86.03	173.22
Waterworks District No. 13	0.00	2,420.00		2,420.00
Waterworks District No. 22	0.00	1,286.40		1,286.40
Western Avenue Golf Course	101.53		77.81	179.34
Loyola Marymount University	0.00		89.53	89.53
Manhattan Beach, City of	640.61	5,079.60		5,720.21
Mayflower Nurseries	8.84			8.84
McDonnell Douglas Corporation	0.01		d/	d/
Mobil Oil Corporation	4,079.34		3,460.77	7,540.11
Mori, Roy R. and Kenji	0.00			0.00
Northrop Corporation, Aircraft Division	0.00		d/	d/
Nozaki, Sumikichi	0.00			0.00
Otani, Chisato	47.42			47.42
Pacific Crest Cemetery Company	37.99		5.01	43.00
Palos Verdes Begonia Farm	1.37			1.37
Park Water Company	270.07			270.07
Phillips Petroleum Company	0.00		8.69	8.69
Rehor, Josephine P.	0.00		c/	c/
Rockwell, Michael L.	0.00			0.00
Roman Catholic Archbishop of Los Angeles	136.71			136.71
Santa Fe Land Improvement Company	0.00		d/	d/
Sheets, Esther M.	0.42			0.42
Shell Oil Company	4,478.53		2,980.32	7,458.85
Southern California Edison Company	6.19		.10	6.29
Southern California Water Company	6,576.52	22,933.87 ^{j/}	90.21	29,600.60
Sparkletts Drinking Water Corp.	80.71			80.71
Standard Oil Company of California	0.00		14,566.00	14,566.00
Stauffer Chemical Company	604.03		237.54	841.57
Superior Oil Company	0.00			0.00

TABLE 5.
GROSS WATER USE
In acre-feet
(Continued)

Party	Total ground water extractions	Purchased Supply		Total Supply
		Imported ^{a/}	Within basin ^{b/}	
Texaco, Incorporated	3,975.02		1,714.74	5,689.76
Torrance, City of	3,870.22	20,172.60		24,042.82
Union Nursery, Incorporated	19.56			19.56
Union Oil Company of California	1,632.31		5,464.03	7,096.34
United California Bank	0.00			0.00
United States Steel Corp.	1,111.19		185.35	1,296.54
Watson Land Company	1.42		71.41	72.83
Wiseburn School District	0.00		76.42	76.42
Zeigler, Maxwell T.	25.13			25.13

a/ Imports from Metropolitan Water District or member agency unless otherwise noted.

b/ Purchased from municipal, mutual, or public utility water agency.

c/ Domestic use with consumption less than one acre-foot purchased from public utility.

d/ Information not available.

e/ Includes 3,597 acre-feet of Central Basin ground water.

f/ Of this amount 26.77% is exported to Central Basin.

g/ Includes Central Basin ground water.

h/ Imported from Owens River-Mono Basin.

j/ Includes 1,342 acre-feet of Central Basin ground water.

Extractions by Nonparties and
Parties with no Adjudicated Rights

Several nonparties and parties with zero Adjudicated Rights pump water from the West Coast Basin. Parties with zero water rights have abided by the Judgment by offsetting their pumping with Exchange Pool purchases. Their extrac-

tions are reported to the Central and West Basin Water Replenishment District. See Table 6.

Imported Supplies

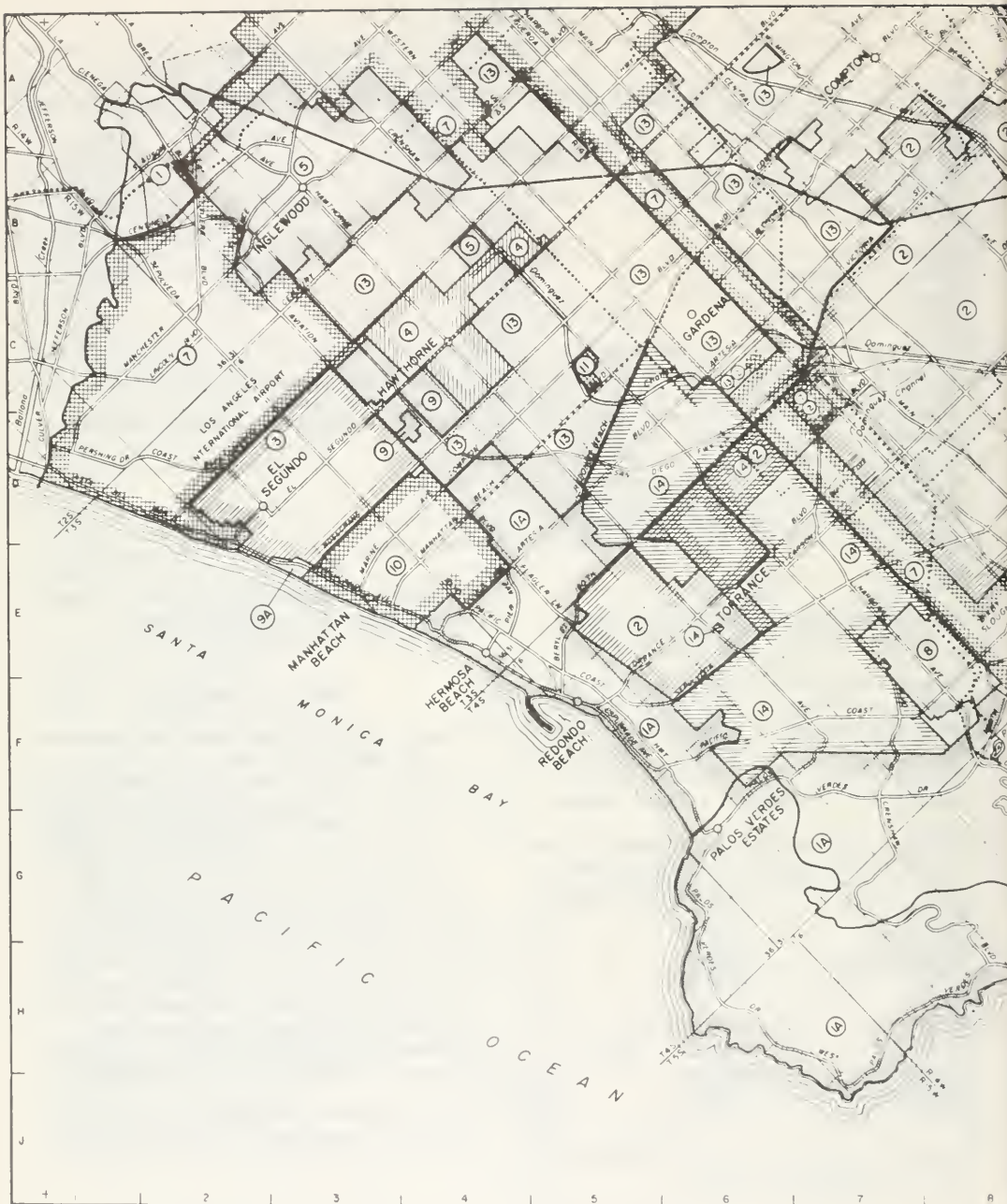
Large quantities of water are imported to the West Coast Basin from other sources. Water from the Colorado River and State Project arrives through facilities of the Metropolitan Water District of Southern California for distribution by the cities of Long Beach, Los Angeles, and Torrance, and the West Basin Municipal Water District. Los Angeles also imports water from the Owens River-Mono Basin in eastern Central California. The Dominguez Water Corporation, Long Beach, and the Southern California Water Company import ground water from the Central Basin to supplement other supplies.

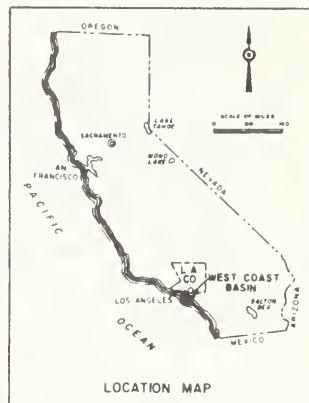
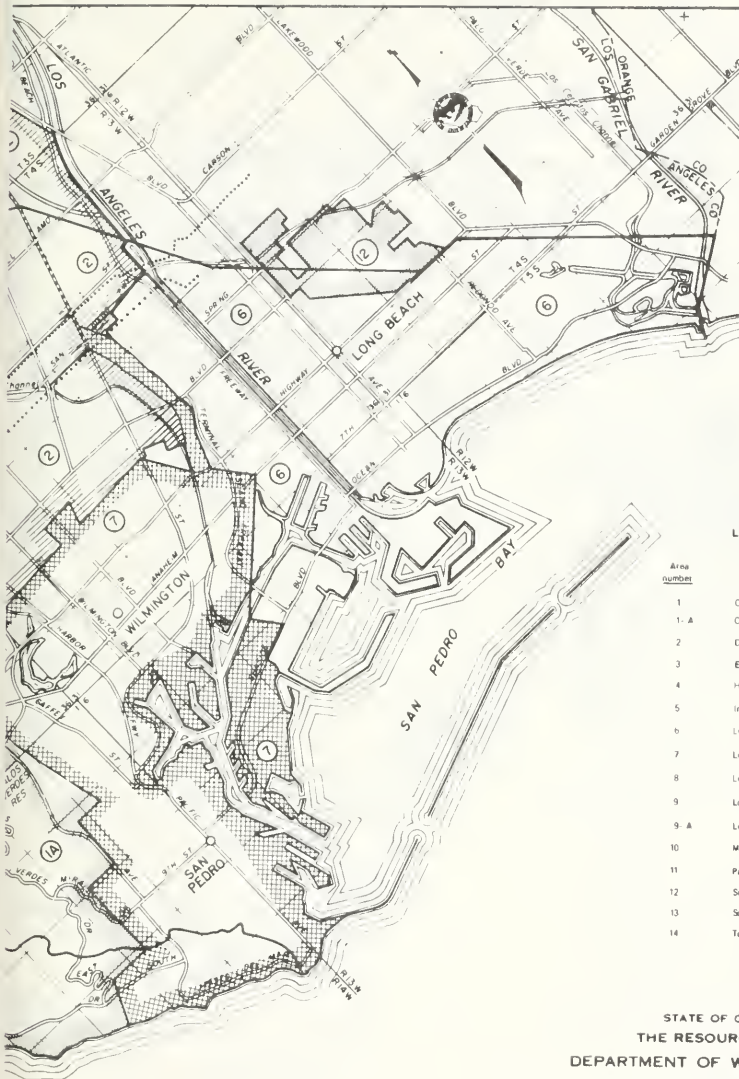
All imports to the West Coast Basin, with the exception of imports by two

TABLE 6. EXTRACTIONS BY NONPARTIES AND
PARTIES WITH ZERO ADJUDICATED RIGHTS

Pumper	State Well No.	Amount pumped, in acre-feet
Carson Auto, Inc.	48/13W-13K5	0.04
Cost, Edward	38/13W-30Q1	0.24
Deaser Enterprises*	48/13W-15Q1	0.16
Mayflower Nurseries*	38/14W-25K6	7.66
"	38/13W-31B7	<u>1.18</u>
		8.84
McFadden, John K.	38/13W-19K2	0.68
Otani, Chisato*	38/14W-34M4	12.30
"	38/14W-33B4	<u>35.12</u>
		47.42
Pacific Telephone	38/13W-30K2	0.04
Palos Verdes Begonis Farm*	48/14W-21M1	1.37
Three Star Nursery	38/14W-33B3	7.73
Zeigler, Maxwell T.*	38/13W-31M1	<u>25.13</u>
		91.65
TOTAL		

*Parties to the Judgment, shown in Table 4.





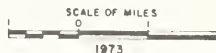
LIST OF MUNICIPAL, MUTUAL AND PUBLIC UTILITY
WATER SERVICE AGENCIES

Area number	Entity	Location on plate
1	California - American Water Company (Nonparty)	B 2
1. A	California Water Service Company	F 5, 6 - 8
2	Dominguez Water Corporation	C 8
3	El Segundo City of	C 3
4	Hawthorne City of	C 4
5	Inglewood City of	9 3
6	Long Beach City of	C 11
7	Los Angeles City of	E 9
8	Los Angeles County Waterworks District No. 13	E 8
9	Los Angeles County Waterworks District No. 22	C 4
9. A	Los Angeles County Waterworks District No. 26 (Nonparty)	E 3
10	Manhattan Beach City of	E 4
11	Park Water Company	C- 5
12	Signal Hill City of (Nonparty)	B 11
13	Southern California Water Company	B 5
14	Torrance City of	E 7

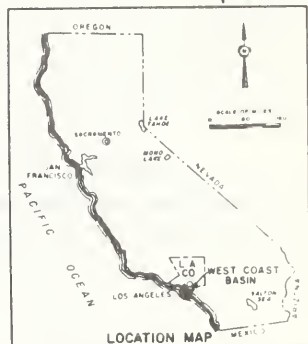
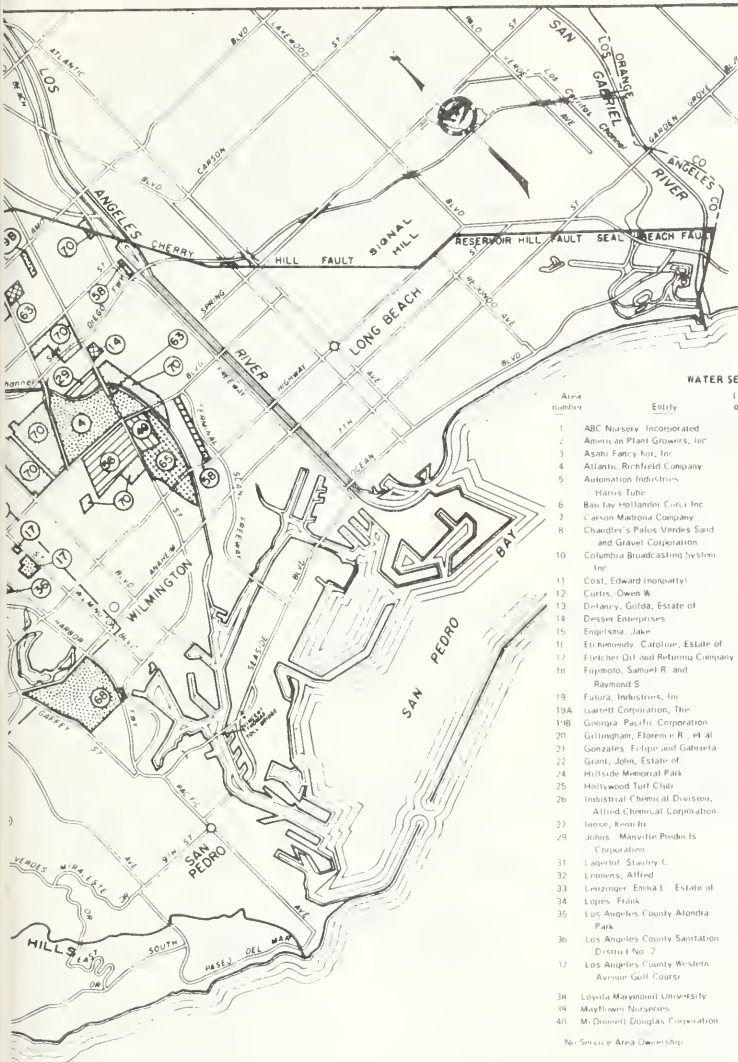
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT
WEST COAST BASIN WATERMASTER SERVICE
WATER SERVICE AREAS OF
MUNICIPAL, MUTUAL AND PUBLIC UTILITY
WATER SERVICE AGENCIES
SEPTEMBER 1973

LEGEND

..... DISTRIBUTION SYSTEM OF THE METROPOLITAN
WATER DISTRICT OF SOUTHERN CALIFORNIA
—— BASIN BOUNDARY







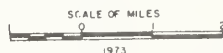
INDEX
WATER SERVICE AREA OF INDIVIDUAL PRODUCERS

Area number	Entity	Location on plan	Area number	Entity	Location on plan
1	ABC Nursery, Incorporated	B 7	41	McFadden, John K. (nonparty)	B 7
2	American Plant Growers, Inc.	D 8	42	Mobil Oil Corporation	D 8
3	Asahi Fancy Kot, Inc.	-	43	Wm. Roy H. and Company	C 6
4	Atlanta, Richfield Company	C 9	44	Northrup Corporation, Aircraft Division	C 4
5	Automation Industries	B 7	44A	Nozaki, Sumichiro (See So. Calif. Edison Co.)	-
6	Bair Inc. Hollander, Cuts, Inc.	-	45	Ottav, Chicago	D 4
7	Carson Matrona Company	E 5	46	Pacific Crest Cemetery Corporation	D 7
8	Chandler's Palus Verdes Sand and Gravel Corporation	-	47	Palus Verdes Begonia Farm	F 6
10	Columbia Broadcasting System, Inc.	D 5	48	Pell Haven Cemetery (nonparty)	C 7
11	Cost, Edward (nonparty)	C 7	49	Phillips Petroleum Company	D 9
12	Curtis, Owen W.	B 6	50	Pioneer Paper Stock (nonparty)	C 6
13	DeLaney, Golda, Estate of	D 8	51	Rubio, Joseph P.	B 6
14	Despe, Enterprises	C 9	52	Rockwell, Michael L.	B 6
15	Engelma, Jake	-	53	Roman Catholic Archbishop of Los Angeles	B 1
17	Ethromedy, Catherine, Estate of	C 7	54	Santa Fe Land Improvement Company	D 4
17	Fletcher Oil and Refining Company	D 8	55	Sherts, Esther M.	C 7
18	Fujimoto, Samuel R. and Raymond S.	B 6	56	Shell Oil Company	C 8
19	Futaba, Industries, Inc.	B 6	58	Southern California Edison Company	D 9
19A	Garratt Corporation, The	D 6	59	Southern California Edison Company (Sumichiro Nozaki Tenant)	D 10
19B	Georgia Pacific Corporation	B 8	60	Sparksletts Drinking Water Corporation	B 6
20	Gillingham, Florence R., et al	D 5	61	Standard Oil Company of California	D 3
21	Gonzales, Felipe and Gabriela	B 4	62	Standard Oil Company of California, Lease on	G 2
22	Grant, John, Estate of	B 7	63	Isabela J. Grant Estate	B 9
24	Hillside Memorial Park	B 2	64	Superior Oil Company, Lease on	G 2
25	Hollywood Turf Club	B 3	65	Teacoe, Incorporated	D 9
26	Industrial Chemical Division, Allied Chemical Corporation	D 3	66	Three Star Nursery, Inc. (nonparty)	D 5
27	Inoue, Kenji	B 7	67	Union Nursery, Incorporated	B 7
29	Johns, Manville Products Corporation	C 9	68	Union Oil Co. of California	E 9
31	Laguard, Stanley C.	-	68A	United California Bank	B 2
32	Leimena, Alfred	E 8	69	United States Steel Corporation	D 6
33	Leuzinger, Emma, Estate of	C 3	70	Watson Land Company	B 4
34	Lopes, Frank	C 6	71	Wishon School District	D 4
35	Los Angeles County Alondra Park	D 5	72	Ziglar, Maxwell T.	C 6
36	Los Angeles County Sanitation District No. 2	E 8			
37	Los Angeles County Western Avenue Golf Course	B 4			
38	Loyola Movement University	C 1			
39	Mayhew Nursery	C 2			
40	McDonnell Douglas Corporation	D 6			

No Service Area Ownership

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT
WEST COAST BASIN WATERMASTER SERVICE

WATER SERVICE AREAS OF
INDIVIDUAL PRODUCERS
SEPTEMBER 1973



nonparties, are listed in Table 7. The California-American Water Company imported 3,231 acre-feet and the City of Signal Hill imported 860 acre-feet. Both are nonparties.

Exported Supplies

Exports from the West Coast Basin are small. The City of Inglewood exported

3,115 acre-feet of ground water, Colorado River and State Project water to the Central Basin. The City of Los Angeles exported 1,331 acre-feet and the California Water Service Company exported 6,877 acre-feet of ground water, Colorado River, and State Project water to portions of their service areas lying west of the Palos Verdes Hills.

TABLE 7. IMPORTED WATER

Source	Imported	Quantity, in acre-feet	
		1971-72	1972-73
Central Basin Ground Water	Dominguez Water Corp. Southern California Water Company	2,717	3,597
		<u>890</u>	<u>1,342</u>
		3,607	4,939
Central Basin Ground Water and Colorado River Water	City of Long Beach	30,539	28,347 ^{a/}
Colorado River Water	City of Torrance	21,247	19,847 ^{b/}
	West Basin Municipal Water District		
	California Water Service Company	28,379	11,327
	Dominguez Water Corporation	21,727	18,708
	El Segundo, City of	21,395	18,416
	Hawthorne, City of	3,492	694
	Inglewood, City of	8,982	1,884
	L. A. County Waterworks, Dist. No. 13	2,538	1,594
	L. A. County Waterworks, Dist. No. 22	1,349	1,262
	Manhattan Beach, City of	5,383	1,139
	Southern California Water Co.	22,664 ^{c/}	7,939
	L. A. County Flood Control Dist.	<u>36,043</u>	<u>33,147</u> ^{c/}
		151,952	98,130
State Project Water	California Water Service Company		14,753
	Dominguez Water Corporation		1,183
	El Segundo, City of		1,004
	Hawthorne, City of		2,606
	Inglewood, City of		6,793
	L. A. County Waterworks, Dist. No. 13		826
	L. A. County Waterworks, Dist. No. 22		24
	Manhattan Beach, City of		3,941
	Southern California Water Company		13,633 ^{c/}
	L. A. County Flood Control Dist.		<u>148</u>
			44,911
Owens River-Mono Basin Water and Colorado River Water	Los Angeles, City of	<u>55,286</u>	<u>50,881</u>
	Total All Sources	262,633	245,857

a/ Excludes 618 acre-feet of State Project Water

b/ Excludes 326 acre-feet of State Project Water

c/ Delivered for use in the West Coast Basin and Dominguez Gap Barrier Projects

IV. ADMINISTRATION OF THE JUDGMENT

The West Coast Basin Judgment was a logical step toward preserving the usefulness of a valuable resource. It provides a flexible tool to limit extractions and still allow a beneficial use of the ground water supply. However, the restrictions on extractions imposed by the Judgment forces the parties to look for other supplies. Fortunately, these are available. If they were not, the rapidly increasing demand for water might literally bankrupt the basin before other management techniques could be developed.

Exchange Pool

The Court and parties foresaw that adjudicating water rights and limiting total extractions within the basin would not be satisfactory to all parties. As a consequence, Paragraph VII of the Judgment authorized a water Exchange Pool to provide additional water rights to members without supplementary water. Membership in the Exchange Pool is voluntary, and any party can join by filing an "Intention to be Bound by Paragraph VII of the Judgment"

with the Watermaster and the Court. Recipients of exchange water may pump the amounts released to them in addition to their Adjudicated Right. Releases are limited by the Judgment. Tables 8 and 9 summarize 1972-73 Exchange Pool transactions.

Once each July the Watermaster opens the Exchange Pool to permit the inter-member exchange of water rights. The Pool is in operation when the Watermaster asks each member to estimate his water requirement and supply for the next water year. If a member has supplemental water in addition to his Adjudicated Right and if his total supply exceeds his estimated requirement, he must make a Mandatory Offer to lease a portion of his pumping right equal to the difference between his Adjudicated Right and half his estimated requirement. Under no circumstance, however, can the Mandatory Offer and the estimated requirement together exceed the total supply. This limits the Mandatory Offer to an amount which can be replaced with supplemental water.

Another type of offer is called the Voluntary Offer. Any member may volun-

TABLE 8. EXCHANGE POOL OFFERS

Party	Amount, in acre-foot		Price, per acre-foot	Charge for exchange water
	Offered	Released		
Mandatory Offers				
L. A. County - Western Avenue Golf Course	96.00	96.00	\$ 15.00	\$ 1,440.00
Phillips Petroleum Company	161.00	161.00	22.00	3,542.00
U.S. Steel Corporation	30.00	177.00	29.00	5,133.00
Shell Oil Company	116.00	0	29.00	0
Johns-Manville Products Corporation	159.00	0	72.00 ^a	0
Stauffer Chemical Company	24.00	0	87.50 ^a	0
TOTALS	706.00	434.00		\$ 10,115.00
Voluntary Offers				
California Water Service Company	1,000.00	0	\$ 40.25	
Gillingham, Florence R.	2.40	0	22.00	
L.A. County Waterworks District No. 13	200.00	0	15.00	
District No. 22	100.00	0	15.00	
Standard Oil Company of California	1.30	0	123.60 ^a	
Wichman School District	8.20	0	20.00	
TOTALS	1,311.90	0		

^a Cost assuming all of the offered water was sold.

TABLE 9. EXCHANGE POOL REQUESTS

Party	Amount of water received, in acre-foot	Cost of exchange water ^a
ABC Nursery, Incorporated	21.00	\$ 489.43
American Plant Growers, Inc.	25.00	582.66
Chandler's Palos Verdes Sand and Gravel Corp.	100.00	2,330.65
Inoue, Kenichi	13.00	302.98
Palos Verdes Begonia Farm	3.00	69.92
Park Water Company	164.00	3,822.26
Roman Catholic Archbishop of Los Angeles	60.00	1,398.39
Union Nursery, Incorporated	19.00	442.82
Zeigler, Maxwell T.	29.00	679.89
TOTALS	434.00	\$ 10,115.00

^a Cost at \$23,306.5 per acre-foot.

tarily offer pumping rights to the Exchange Pool if his water supply exceeds his estimated requirement and he has no supplemental supply. However, the Watermaster must allocate all Mandatory Offers before using the Voluntary Offers. Voluntary Offers have not been used for several years.

The charge for a Mandatory Offer cannot exceed the cost per acre-foot of replacement water; the charge for a Voluntary Offer cannot exceed the price per acre-foot charged by the West Basin Municipal Water District for imported water. The Watermaster determines the amount of water needed and computes the average price to be paid.

If a member's estimated water requirement exceeds his total water right, including leases, and he has no supplemental supply, the difference may be requested from the Exchange Pool. The cost per acre-foot is the weighted average price per acre-foot of all offers required to meet requests.

Transfers of Adjudicated Rights

The West Coast Basin Exchange Pool is not the only method of obtaining additional pumping rights. Each year there are several lease and sale transactions between parties. Table 10 lists all leases, sales, parties, and amounts involved. Appendix A contains a copy of the document substantiating each transfer.

Appendix A also contains samples of our recommended lease and sale agreements. Some documents received by the Watermaster are unnecessarily complex. The Watermaster recommends that documents be prepared on 8-1/2 x 11-inch paper. Any necessary additions to the recommended agreement may be attached to another page. You need not use these sample documents, but they are sufficient for most purposes.

In leasing, buying, or selling water rights, parties should be specific as to the type being exchanged; i.e., Adjudicated Right. All leases should be entered into on the basis of Adjudicated Right and should specify both amount of Adjudicated Right, to the nearest whole acre-foot, and period of lease. All water right leases should be made on a water year basis; i.e., October 1 through September 30 of the following year, never on a fiscal year basis.

The "General Information, Policies and Procedures" of the Watermaster Service in the West Coast Basin contains the following requirement:

"In order that a water right lease be in force (applicable) during a particular water year, it must have been executed by the parties involved before or prior to September 1 of the water year in question. In addition the executed water right lease document must be filed with the Watermaster no later than August 31 or postmarked August 31 of the year in question. Any otherwise valid agreement not filed with the Watermaster prior to September 1 of the water year in question will be void and of no force or effect for the transfer of water rights."

Overextractions

Each year some parties extract more ground water from the West Coast Basin than they are entitled to. The overextractions are usually small, occurring within the tolerance set by the Judgment. The Judgment allows each party to overextract by 2 acre-feet, or by 10 percent of its Adjudicated Right, whichever is larger, on the premise that the overextraction will be eliminated during the following year.

Most overextractions are the result of an unexpected increase in water

TABLE 10. TRANSFERS OF ADJUDICATED RIGHTS

PARTY	TRANSACTION AND AMOUNT IN ACRE-FEET		PARTY
ASAHI FANCY KOI, INCORPORATED	LEASED	12.10	FROM ENGELSMAN, JAKE
ATLANTIC RICHFIELD COMPANY	LEASED	1,500.00	FROM DOMINGUEZ WATER CORPORATION
ATLANTIC RICHFIELD COMPANY	LEASED	1,000.00	FROM INGLEWOOD, CITY OF
ATLANTIC RICHFIELD COMPANY	LEASED	3,100.00	FROM STANDARD OIL CO. OF CALIFORNIA
ATLANTIC RICHFIELD COMPANY	LEASED	1,050.00	FROM UNION OIL CO. OF CALIFORNIA
AUTOMATION INC INC-HARRIS TUBE	PURCHASED	0.70	FROM HARRIS TUBE, INCORPORATED
BARCLAY HOLLANDER CURCI INC	PURCHASED	3.33	FROM JOUGHIN TORRANCE RANCH
BOISE CASCADE BUILDING COMPANY	SOLD	16.92	TO INGLEWOOD, CITY OF
CALIFORNIA WATER SERVICE CO	PURCHASED	999.00	FROM PALOS VERDES WATER COMPANY
CARSON-MADRONA COMPANY	LEASED	104.00	TO DOMINGUEZ WATER CORPORATION
COLUMBIA BROADCASTING SYSTEM, INCORPORATED	LEASED	9.50	TO DOMINGUEZ WATER CORPORATION
DOMINGUEZ WATER CORPORATION	LEASED	1,500.00	TO ATLANTIC RICHFIELD COMPANY
DOMINGUEZ WATER CORPORATION	LEASED	104.00	FROM CARSON-MADRONA COMPANY
DOMINGUEZ WATER CORPORATION	LEASED	9.50	FROM COLUMBIA BROADCASTING SYSTEM, INCORPORATED
DOMINGUEZ WATER CORPORATION	LEASED	8.20	FROM ETCHEMENDY, CAROLINE, EST. OF
DOMINGUEZ WATER CORPORATION	LEASED	3.50	FROM LAGERLOF, STANLEY C
DOMINGUEZ WATER CORPORATION	LEASED	48.10	FROM LOYOLA MARYMOUNT UNIVERSITY
DOMINGUEZ WATER CORPORATION	LEASED	500.00	FROM PICO COUNTY WATER DISTRICT
DOMINGUEZ WATER CORPORATION	LEASED	100.00	FROM PICO COUNTY WATER DISTRICT
DOMINGUEZ WATER CORPORATION	LEASED	39.50	FROM SANTA FE LAND IMPROVEMENT CO.
DOMINGUEZ WATER CORPORATION	LEASED	81.20	FROM WATSON LAND COMPANY
ENGELSMAN, JAKE	LEASED	12.10	TO ASAHI FANCY KOI, INCORPORATED
ETCHEMENDY, CAROLINE, EST. OF	LEASED	8.20	TO DOMINGUEZ WATER CORPORATION
GONZALES, FELIPE AND GABRIELA	LEASED	34.30	TO TEXACO, INCORPORATED
GRANT, JOHN, ESTATE OF	LEASED	59.00	TO HILLSIDE MEMORIAL PARK
HARRIS TUBE, INCORPORATED	SOLD	0.70	TO AUTOMATION INC INC-HARRIS TUBE
HILLSIDE MEMORIAL PARK	LEASED	59.00	FROM GRANT, JOHN, ESTATE OF
INGLEWOOD, CITY OF	LEASED	1,000.00	TO ATLANTIC RICHFIELD COMPANY
INGLEWOOD, CITY OF	PURCHASED	16.92	FROM BOISE CASCADE BUILDING COMPANY
INOSF, KENICHI	LEASED	2.20	FROM REHOB, JOSEPHINE P.
JOUGHIN TORRANCE RANCH	SOLD	3.33	TO BARCLAY HOLLANDER CURCI INC
LAGERLOF, STANLEY C	LEASED	3.50	TO DOMINGUEZ WATER CORPORATION
LOS ANGELES, CITY OF	LEASED	500.00	FROM LOS ANGELES CO WWS DIST NO 13
LOS ANGELES, CITY OF	LEASED	500.00	FROM LOS ANGELES CO WWS DIST NO 13
LOS ANGELES CO WWS DIST NO 13	LEASED	500.00	TO LOS ANGELES, CITY OF
LOS ANGELES CO WWS DIST NO 13	LEASED	500.00	TO LOS ANGELES, CITY OF
LOYOLA MARYMOUNT UNIVERSITY	LEASED	48.10	TO DOMINGUEZ WATER CORPORATION
MORIL OIL CORPORATION	LEASED	1,500.00	FROM STANDARD OIL CO. OF CALIFORNIA
MORI, ROY H AND KENJI	SOLD	2.00	TO NOZAKI, SUMIKICHI
NOZAKI, SUMIKICHI	PURCHASED	2.00	FROM MORI, ROY H AND KENJI
OTANI, CHISATO	LEASED	47.42	FROM SOUTHERN CALIFORNIA EDISON CO
PALOS VERDES WATER COMPANY	SOLD	999.00	TO CALIFORNIA WATER SERVICE CO
PALOS VERDES WATER COMPANY	LEASED	999.00	TO TEXACO, INCORPORATED
PICO COUNTY WATER DISTRICT	LEASED	500.00	TO DOMINGUEZ WATER CORPORATION
PICO COUNTY WATER DISTRICT	LEASED	100.00	TO DOMINGUEZ WATER CORPORATION
PICO COUNTY WATER DISTRICT	LEASED	500.00	FROM UNITED STATES STEEL CORP
PICO COUNTY WATER DISTRICT	LEASED	100.00	FROM UNITED STATES STEEL CORP

TABLE 10.
TRANSFERS OF ADJUDICATED RIGHTS
(Continued)

PARTY	TRANSACTION AND AMOUNT IN ACFE-FT			PARTY
REHOR, JOSEPHINE P.	LEASED	2.20	TO	INOFF, KENICHI
SANTA FE LAND IMPROVEMENT CO.	LEASED	39.50	TO	DOMINGUEZ WATER CORPORATION
SOUTHERN CALIFORNIA EDISON CO	LEASED	47.42	TO	OTANI, CHISATO
STANDARD OIL CO. OF CALIFORNIA	LEASED	3,100.00	TO	ATLANTIC RICHFIELD COMPANY
STANDARD OIL CO. OF CALIFORNIA	LEASED	1,500.00	TO	MORIL OIL CORPORATION
STAUFFER CHEMICAL COMPANY	LEASED	45.00	FROM	UNITED STATES STEEL CORP
TEXACO, INCORPORATED	LEASED	34.30	FROM	GONZALES, FELIPE AND GABRIELA
TEXACO, INCORPORATED	LEASED	994.00	FROM	PALOS VERDES WATER COMPANY
UNION OIL CO. OF CALIFORNIA	LEASED	1,050.00	TO	ATLANTIC RICHFIELD COMPANY
UNITED STATES STEEL CORP	LEASED	500.00	TO	PICO COUNTY WATER DISTRICT
UNITED STATES STEEL CORP	LEASED	100.00	TO	PICO COUNTY WATER DISTRICT
UNITED STATES STEEL CORP	LEASED	45.00	TO	STAUFFER CHEMICAL COMPANY
WATSON LAND COMPANY	LEASED	81.20	TO	DOMINGUEZ WATER CORPORATION

demand. Therefore, allowing some deviations from the limits and guidelines of the Judgment is considered a reasonable solution.

Table 11 summarizes all overextractions. Of the nine parties listed, two exceeded the limit imposed by the Judgment. Both parties bought exchange pool water to meet their 1973-74 water needs.

The Watermaster recommends that no court action be taken at this time toward the parties exceeding the limit.

Carryover of Adjudicated Right

The provision in the Judgment (Paragraph VI) relative to allowable carryover of unused water right states in part: "... each of the parties ... who ... does not extract ... all of such party's Adjudicated Right ... is permitted to carry over from such water year the right to extract ... in the next succeeding water year an amount

of water equivalent to the excess of Adjudicated Right over his extraction during said water year not to exceed, however, 10% of such party's Adjudicated Right or two acre-feet, whichever is the larger.

The procedural change reported in the 1971-72 report, which became effective in the 1972-73 water year, assumes that when not specifically conveyed to the lessee by the lease document, the amount leased is not deducted from the lessor's Adjudicated Right in computing the permissible allowable carryover or overextraction.

All future lease documents beginning with the 1973-74 water year must contain a statement as to which party is entitled to the benefit of the amount leased in computing carryover or overextractions. Item (5) in the suggested Water Right License and Agreement shown on page 62, is sufficient for this requirement.

TABLE II. OVEREXTRACTIONS
In acre-feet

Party	(1) Adjudicated Right	(2) Allowable Extractions ^{a/}	(3) Amount Pumped	(4) Overextraction (2)-(3)=(4)	(5) Allowable Overextraction ^{b/}	(6) Overextraction in percent of Adjudicated Right $\frac{(4)}{(1)} \div (1) \times 100 = (6)$
Chandlers Palos Verdes Sand and Gravel Corporation	294.20	356.36	396.58	- 40.22 ^{c/}	29.42	13.67
Dominguez Water Corporation	10,150.65	9,101.34	9,136.38	- 35.04	1,015.07	0.34
Los Angeles, City of	2,503.00 ^{d/}	2,796.01	2,799.58	- 3.57	250.30	0.14
Mayflower Nurseries	0.00	6.62	8.84	- 2.22 ^{c/}	2.00	--
Roman Catholic Archbishop of Los Angeles	72.30	130.75	136.71	- 5.96	7.23	8.24
Southern California Water Company	6,548.64	6,400.61	6,576.52	-175.91	654.86	2.68
Stauffer Chemical Company	521.00	586.33	604.03	- 17.70	52.10	3.39
Torrance, City of	3,804.73	3,836.67	3,870.22	- 33.55	380.47	0.88
United States Steel Corp.	1,791.00	1,061.22	1,111.19	- 49.97	179.10	2.79
^{a/} See column (5) of Table 4 for derivation. ^{b/} Computed as 2 acre-feet or 10 percent of Adjudicated Right [Column (1)] whichever is larger. ^{c/} In violation of Judgment. ^{d/} Includes water right leases.						

V. ADMINISTRATIVE COSTS

Expenses incurred in administering watermaster service areas are payable one-half by the State and one-half by the parties. To obtain the funds required for watermaster service, the Watermaster prepares a tentative budget each year stating the anticipated expense for administering the provisions of the Judgment. A copy of the tentative budget is mailed to each of the parties at least 60 days before the beginning of each water year. If no objections are received within 15 days after service of the tentative budget, it becomes the final budget.

The 1972-73 tentative budget, which was mailed on July 31, 1972, received no objections and became the final budget on August 15, 1972. The final

approved budget is presented in Table 12. The administrative cost chargeable to each party is in proportion to its "Adjudicated Right" and is payable on or prior to the first day of the water year. A five percent penalty is added if charges become delinquent. A total of \$25.05 was collected in penalties for delayed payments. Apportionment of the parties' share of the budget for the 1972-73 water year is set forth in Table 13.

Income and expenditures for watermaster service during the 1972-73 water year are shown in Table 14. Any credit or debit balance is carried forward into the succeeding water year. The parties' share of the 1972-73 carryover amounts to \$4,966.63.

TABLE 12. APPROVED BUDGET FOR 1972-73

Salaries and wages	\$33,003	
Operating expenses	<u>13,252</u>	
 TOTAL BUDGET		 \$46,255
 One-half payable by State		 \$23,128
One-half payable by parties		23,127
Less estimated carryover from 1971-72		<u>0</u>
 TOTAL AMOUNT TO BE BILLED		 \$23,127

TABLE 13. APPORTIONMENT OF PARTIES' SHARE OF 1972-73 BUDGET

Party	Adjudicated Right, in acre-feet	Apportionment paid
ABC Nursery, Incorporated	22.10	\$ 7.93
American Plant Growers, Incorporated	10.00	3.59 ^{a/}
Asahi Fancy Koi, Incorporated	2.00	.72
Atlantic Richfield Company ^{b/}	4,428.00	1,588.48
Boise Cascade Building Company ^{b/}	16.92	6.07
California Water Service Company	3,071.00	1,101.67
Carson-Madrona Company	104.00	37.31
Chandler's Palos Verdes Sand and Gravel Corp.	294.20	105.54
Columbia Broadcasting System, Incorporated	9.50	3.41 ^{a/}
Curtis, Owen W.	0.36	.13 ^{a/}
Delaney, Golda, Estate of	4.10	1.47 ^{a/}
Desser Enterprises	0.00	0 ^{a/}
Dominguez Water Corporation	10,150.65	3,641.39
El Segundo, City of	953.00	341.87
Engelsma, Jake	12.10	4.34
Etchemendy, Caroline, Estate of	8.20	2.93 ^{a/}
Fletcher Oil and Refining Company	86.30	30.96 ^{a/}
Fletcher, Robert G., et al. ^{b/}	3.70	1.33 ^{a/}
Fujimoto, Samuel R. and Raymond S.	20.00	7.17 ^{a/}
Georgia-Pacific Corporation	3.40	1.22 ^{a/}
Gillingham, Florence R., et al.	2.40	.86 ^{a/}
Gonzales, Felipe and Gabriela	34.30	12.30
Grant, John, Estate of ^{b/}	59.00	21.17 ^{a/}
Harris Tube, Incorporated ^{b/}	0.70	.25 ^{a/}
Hawthorne, City of	1,882.00	675.14
Hillside Memorial Park	29.20	10.48
Hollywood Turf Club	282.00	101.16
Industrial Chemical Division - Allied Chemical Corporation	255.00	91.48
Inglewood, City of	4,385.17	1,573.11 ^{a/}
Inose, Kenichi	5.40	1.94 ^{a/}
Ishibashi, Aki ^{b/}	0.00	0 ^{a/}
Johns-Manville Products Corporation	881.00	316.05 ^{a/}
Joughin Torrance Ranch ^{b/}	3.33	1.19 ^{a/}
Lagerlof, Stanley C.	3.50	1.26 ^{a/}
Lermans, Alfred	0.70	.25 ^{a/}
Leuzinger, Emma L., Estate of	1.40	.50 ^{a/}
Long Beach, City of	0.70	.25 ^{a/}
Lopes, Frank	3.70	1.33 ^{a/}
Los Angeles, City of	1,503.00	539.18
Los Angeles County - Alondra Park	67.70	24.29
Los Angeles County Sanitation District No. 2	102.00	\$ 36.59
Los Angeles County Waterworks District No. 13	1,352.00	485.01 ^{c/}
Los Angeles County Waterworks District No. 22	551.00	197.66
Los Angeles County-Western Avenue Golf Course	296.00	106.19
Loyola Marymount University	48.10	17.26

TABLE 13.
 APPORTIONMENT OF PARTIES' SHARE OF 1972-73 BUDGET
 (Continued)

Party	Adjudicated Right, in acre-feet	Apportionment paid
Manhattan Beach, City of	1,131.20	405.80 ^{a/}
Mayflower Nurseries	0.00	0 ^{a/}
McDonnell Douglas Corporation	1.70	.61 ^{a/}
Mobil Oil Corporation	2,570.00	921.95 ^{a/}
Mori, Roy H. and Kenji	5.60	2.01 ^{a/}
Northrop Corporation, Aircraft Division	38.15	13.69 ^{a/}
Otani, Chisato	0.00	0 ^{a/}
Pacific Crest Cemetery Company	39.40	14.13 ^{a/}
Palos Verdes Begonia Farm	0.00	0 ^{a/}
Palos Verdes Water Company ^{b/}	999.00	358.38
Park Water Company	160.00	57.40
Phillips Petroleum Company	167.00	59.91 ^{a/}
Rehor, Josephine P.	2.20	.79 ^{a/}
Rockwell, Michael L.	0.10	.04 ^{a/}
Roman Catholic Archbishop of Los Angeles	72.30	25.94
Santa Fe Land Improvement Company	39.50	14.17 ^{a/}
Sheets, Esther M.	5.50	1.97 ^{a/}
Shell Oil Company	4,516.00	1,620.05
Shinoda Brothers, Incorporated ^{b/}	22.50	8.07
Southern California Edison Company	57.10	20.48
Southern California Water Company	6,548.64	2,349.22 ^{c/}
Spanish American Institute ^{b/}	44.40	15.93 ^{c/}
Sparkletts Drinking Water Corporation	152.60	54.74
Standard Oil Company of California	4,601.30	1,650.65
Stauffer Chemical Company	521.00	186.90
Superior Oil Company	26.40	9.47
Texaco, Incorporated	3,432.00	1,231.18
Torrance, City of	3,804.73	1,364.89 ^{a/}
Union Nursery, Incorporated	4.70	1.69 ^{a/}
Union Oil Company of California	2,670.00	957.82
United California Bank	7.00	2.50 ^{a/}
United States Steel Corporation	1,791.00	642.49
Watson Land Company	80.20	28.77 ^{a/}
Wiseburn School District	8.20	2.93 ^{a/}
Ziegler, Maxwell T.	0.00	0 ^{a/}
TOTALS	64,468.25	\$ 23,127.00 ^{d/}

^{a/} Payment waived on apportionment of less than \$3 in accordance with Section 13943.5 of the Government Code. A total of \$28.17 was waived in this manner.

^{b/} Was a party at the time of billing.

^{c/} Delayed payment, penalty assessed. A total of \$25.05 was collected in penalties.

^{d/} Includes payments which were waived and excludes penalty payments.

TABLE 14. 1972-73 INCOME AND EXPENDITURES

Item	Parties	State	Parties and State
<u>Income</u>			
From 1972-73 budget	\$23,098.83	\$23,128.00	\$46,226.83
Balance from 1971-72	4,316.12		4,316.12
From budget penalties	<u>25.05</u>	<u></u>	<u>25.05</u>
TOTAL INCOME	\$27,440.00	\$23,128.00	\$50,568.00
<u>Expenditures</u>			
Salaries and wages	\$15,827.42	\$15,827.41	\$31,654.83
Operating expenses			
Miscellaneous indirect cost ^{a/}	4,746.17	4,746.16	9,492.33
Travel in State	12.53	12.54	25.07
Printing annual report	204.73	204.73	409.46
Electronic machine computing	1,182.43	1,182.43	2,364.86
Other ^{b/}	<u>500.09</u>	<u>500.10</u>	<u>1,000.19</u>
TOTAL EXPENDITURES	<u>\$22,473.37</u>	<u>\$22,473.37</u>	<u>\$44,946.74</u>
BALANCE	<u>\$ 4,966.63^{c/}</u>	<u>\$ 654.63</u>	<u>\$ 5,621.26</u>

a/ Rent, utilities, auto rental, communications, retirement, employee's health plan, and workmen's compensation insurance.

b/ Equipment rental, mobile equipment operation, engineering contracts.

c/ Total credit to parties in 1973-74 water year, subject to delayed charges or credits.

APPENDIX A

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES
SEPTEMBER 30, 1973

AND

COPIES OF DOCUMENTS SUBSTANTIATING
TRANSFERS OF ADJUDICATED RIGHT

APPENDIX A

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ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES

SEPTEMBER 1973

ABE NURSELY, INCORPORATED SUCCESSOR TO HARRY C. JENKINS SUCCESSOR TO SINNEY R. AND CHARLOTTE W. TITTE SUCCESSOR TO WILLIAM AND CLARA B. VERBURG TOTAL	1.80 13.60 6.70 22.10*	
ABELL, FRANK SOLD TO CITY OF INGLEWOOD TOTAL	1.80 -1.80 0.00	
ALCAST FOUNDRY, ET AL. SUCCESSOR TO CHAS. L. DWAPEN, ET AL. SOLD TO CITY OF TORRANCE TOTAL	7.20 -7.20 0.00	
ALLIED CHEMICAL CORPORATION (SEE INDUSTRIAL CHEMICAL DIVISION)		
ALUMINUM COMPANY OF AMERICA (SEE UNITED STATES NAVY DEPARTMENT)		
ALVARO, HILARIO S. AND EMMA SUCCESSOR TO CHAS. L. NAVARRO SUCCESSOR TO PUGOY SWICK SOLD TO TORRANCE UNIFIED SCHOOL DISTRICT TOTAL	53.90 9.50 -59.40 0.00	
AMERICAN PLANT GROWERS, INCORPORATED SECOND WEST COAST BASIN JUDGMENT SUCCESSOR TO BEN CLUFF DAIRY TOTAL	2.60 7.40 10.00*	
ANDERSON, RIMBERT C. SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	80.50 -80.50 0.00	
ASAHI FANCY KOI, INCORPORATED SUCCESSOR IN PART TO JAKE ENGELSMAN		2.00
ASSOCIATED SOUTHERN INVESTMENT COMPANY (FORMERLY FUISON SECURITIES COMPANY) SOLD TO SOUTHERN CALIFORNIA FUISON COMPANY TOTAL	46.70 -46.70 0.00	
ATLANTIC RICHFIELD COMPANY (FORMERLY RICHFIELD OIL COMPANY)		4428.00
AUTOMATION INDUSTRIES, INC.-HARRIS TUBE SUCCESSOR TO HARRIS TUBE, INCORPORATED		0.70*
BALLMAN, ROSEMARY N. SOLD TO UNITED CALIFORNIA BANK TOTAL	7.00 -7.00 0.00	
BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION (TRUST H1-51) RELEASED TO MICHAEL L. HOCKWELL TOTAL	0.10 -0.10 0.00	
BARCLAY HOLLANDER CURCI INC SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH		3.33
BARCLAY, RICHARD AND R. A. WATT SUCCESSORS TO EMMA J. OSBORN SUCCESSORS IN PART TO ISABELA J. GRANZ ESTATE SUCCESSORS IN PART TO GEORGE R. MURDOCK SOLD TO CITY OF TORRANCE TOTAL	32.66 13.55 13.75 -59.96 0.00	
BAJMAN, GUS A. TRANSFERRED TO PALOS VERDES BEGONIA RANCH		0.00
BELGO CORPORATION SOLD TO ESTATE OF GOLDA DELANEY TOTAL	4.10 -4.10 0.00	
BELVIDERE MUTUAL WATER COMPANY SOLD TO CITY OF TORRANCE TOTAL	33.40 -33.40 0.00	
BOISE CASCADE BUILDING COMPANY SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH SOLD TO INGLEWOOD, CITY OF TOTAL	16.92 -16.92 0.00	
BURKE, W. F. AND LOIS PRICE SOLD TO M. S. SCOTT TOTAL	9.50 -9.50 0.00	
CALIFORNIA, STATE OF SUCCESSOR TO ROBERT L. FULLIOME SUCCESSOR TO JOE MONIZ JR. SUCCESSOR IN PART TO KELLY PIPE COMPANY SUCCESSOR IN PART TO FLAVIO RODRIGUEZ SUCCESSOR IN PART TO A. M. SMITH, SAM SUMNER AND FREDA SMITH SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	1.00 2.20 16.30 4.00 2.60 -26.10 0.00	
CALIFORNIA WATER SERVICE COMPANY SUCCESSOR TO PALOS VERDES WATER COMPANY TOTAL	971.00 999.00 4078.00*	
CARSON ESTATE COMPANY SOLD TO DOMINGUEZ WATER CORPORATION TOTAL	130.00 -130.00 0.00	
CARSON-MAURONA COMPANY SUCCESSOR TO CHANSLOR-WESTERN OIL AND DEVELOP. CO.		104.00*
CHANDLER, PALOS VERDES SAND AND GRAVEL CORPORATION SECOND WEST COAST BASIN JUDGMENT SUCCESSOR TO SOUTHWESTERN PORTLAND CEMENT COMPANY SUCCESSOR TO TORRANCE SAND AND GRAVEL CORPORATION TOTAL	95.20 15.40 184.00 294.20*	
CHANSLOR-WESTERN OIL AND DEVELOPMENT COMPANY (FORMERLY CHANSLOR-LANGLIFF MIDWAY OIL COMPANY) SOLD TO CARSON-MAURONA COMPANY TOTAL	104.00 -104.00 0.00	
CHRISTIE, CLEM, DON C. FOHL AND LEON LARSON (TRUSTEES OF WILMINGTON CEMETERY ASSOCIATION) ABANDONED WATER RIGHT TOTAL	0.02 -0.02 0.00	
CLUFF, BEN DAIRY SUCCESSOR TO EDWARD AND EMILY COST SOLD TO AMERICAN PLANT GROWERS, INC. TOTAL	7.40 -7.40 0.00	
COAST FOREST PRODUCTS SUCCESSOR TO SOUTHWEST STEEL MILLING MILLS SOLD TO GEORGIA-PACIFIC CORPORATION TOTAL	3.40 -3.40 0.00	
COLLISTER, CAMERON QUITCLAIMED TO NORMANUE PARK TOTAL	136.82 -136.82 0.00	
COLUMBIA BROADCASTING SYSTEM, INC. SOLD TO RONALD L. MURAN TOTAL	18.50 -18.50 0.00	
COST, EDWARD AND EMILY SOLD TO BEN CLUFF DAIRY TOTAL	7.40 -7.40 0.00	
CURTIS, OWEN W. SOLD TO SOUTHERN CALIFORNIA WATER COMPANY TOTAL	3.00 -3.00 0.00	
DEL AND ESTATE COMPANY SOLD TO DOMINGUEZ WATER CORPORATION TOTAL	121.00 -121.00 0.00	
DELANEY, GOLDA, ESTATE OF (FORMERLY ARTHUR J. DELANEY) SUCCESSOR TO BELGO CORPORATION		4.10
DESSER ENTERPRISES SECOND WEST COAST BASIN JUDGMENT		0.00*
DOMINGUEZ ESTATE COMPANY SOLD TO DOMINGUEZ WATER CORPORATION TOTAL	254.00 -254.00 0.00	
DOMINGUEZ WATER CORPORATION SUCCESSOR TO CARSON ESTATE COMPANY SUCCESSOR TO DEL AND ESTATE COMPANY SUCCESSOR TO DOMINGUEZ ESTATE COMPANY SUCCESSOR TO DON WILSON BUILDERS SUCCESSOR TO JEANETTE M. HEYENRICK SUCCESSOR TO FRED NARAND, ET AL. SUCCESSOR IN PART TO M. J. EMILY SUCCESSOR IN PART TO M. A. WATT, INCORPORATED SOLD IN PART TO WATSON LAND COMPANY TOTAL	94.77.80 130.00 121.00 254.00 32.60 0.70 19.30 91.00 61.05 -31.60 10150.65*	
DON WILSON BUILDERS SUCCESSORS TO KASUO ISAMU AND YOSHIKI M. KITA SOLD TO DOMINGUEZ WATER CORPORATION TOTAL	32.60 -32.60 0.00	

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES

SEPTEMBER 1973

(Continued)

DOUGLAS AIRCRAFT COMPANY, INCORPORATED (SEE MCUNNEL DOUGLAS COMP.)			GRANT, JOHN, ESTATE OF	59.00*
DRAPER, CHARLES L. SOLD TO ALCANT FOUNDRY, ET AL.	7.20 <u>-7.20</u>	0.00	GRANZ, ISABELA J., (PER JUDGMENT) PARTITIONED TO HILBES	360.00
EARLY, M. J. AND DAISY SOLD TO DOMINGUEZ WATER CORPORATION	111.00 <u>-91.00</u>	0.00	ISABELA J. GRANZ ESTATE JOUGHIN TORRANCE RANCH	-33.80 -212.42
SOLD TO SAMUEL R. AND RAYMOND C. FUJIMOTO	-20.00	0.00	GEORGE R. MUNDOCK EMMA J. OSBORN	-15.12 -32.66
EDISON SECURITIES COMPANY (NOW KNOWN AS ASSOCIATED SOUTHERN INVESTMENT CO.)			SUBJECT TO LONG TERM LEASE STANFORD OIL COMPANY OF CALIFORNIA	59.60
ELLINWOOD, LATHROP M. SOLD TO ISAMU, KASUO AND YOSHIKI M. KITA	32.60 <u>-32.60</u>	0.00	SUPERIOR OIL COMPANY	76.40
EL SEGUNDO, CITY OF		953.00*	TOTAL	86.00
ENGELSMAN, JAKE SUCCESSOR TO WILBUR HORNSTRA SOLD TO ASAHI FANCY KOI, INCORPORATED	14.10 <u>-2.00</u>	0.00	GRANZ, ISABELA J., ESTATE OF SUCCESSOR IN PART TO ISABELA J. GRANZ	33.60
ETHEMENDY, CAROLINE, ESTATE OF		8.20	SOLD IN PART TO RICHARD BARCLAY AND R. A. WATT	-13.35
EWING, CAMELITA ROSECRANS SOLD TO SOUTHERN CALIFORNIA WATER COMPANY	91.30 <u>-91.30</u>	0.00	SOLD IN PART TO NEU EWING, ET AL.	-6.40
EWING, NEU ET AL. SUCCESSOR IN PART TO ISABEL J. GRANZ ESTATE SOLD TO R. A. WATT, INCORPORATED	6.50 <u>-6.50</u>	0.00	SOLD IN PART TO R. A. WATT, INCORPORATED	-13.75
FLESH, LESLIE R. AND ANDREW PASTERNAK, ET AL. SUCCESSORS TO ALFRED D. AND RUTH SEABACK SOLD TO STANLEY C. LAGENLOF	3.50 <u>-3.50</u>	0.00	HARRIS, R. AND L. SUCCESSOR TO LAWRENCE J. LISTON	0.70
FLETCHER OIL AND REFINING COMPANY (FORMERLY FLETCHER OIL COMPANY) SUCCESSOR TO FLETCHER, ROBERT C. ET AL.	86.30 <u>3.70</u>	90.00*	DISCLAIMED WATER RIGHT TOTAL	-0.70
FLETCHER, ROBERT C., DANIEL S., AND WILFRED U. SUCCESSOR TO FRED A. JUNGQUIST SOLD TO FLETCHER OIL AND REFINING COMPANY	3.70 <u>-3.70</u>	0.00	HARRIS TUBE, INCORPORATED SUCCESSOR IN PART TO B. ROBINSON AND ASSOCIATES TRANSFERRED TO AUTOMATION IND. INC.-HARRIS TUBE	0.70 <u>-0.70</u>
FROGG, M. J. SOLD TO SIGMUND S. AND LIONEL S. HOCKWALD	12.50 <u>-12.50</u>	0.00	HAWTHORNE, CITY OF	1882.00
FUKUWA, HERBERT SAKAYE (DOING BUSINESS AS MAYFLOWER NURSERY)			HENDERSON, BEATRICE M. ABANDONED WATER RIGHT TOTAL	1.30 <u>-1.30</u>
FULLILOVE, ROBERT L. SOLD TO STATE OF CALIFORNIA	1.00 <u>-1.00</u>	0.00	HEYDENBECK, JEANETTE R. (FORMERLY JEANETTE R. REIFSNYDER) SOLD TO DOMINGUEZ WATER CORPORATION	0.70 <u>-0.70</u>
FUJIMOTO, SAMUEL R. AND RAYMOND C. SUCCESSOR IN PART TO M. J. AND DAISY EARLY		20.00	HILLSIDE MEMORIAL PARK SUCCESSOR TO SIGMUND S. AND LIONEL S. HOCKWALD	16.70 <u>12.50</u>
FUTURA INDUSTRIES, INCORPORATED SUCCESSOR TO SPANISH AMERICAN INSTITUTE		44.40	HOCKWALD, SIGMUND S. AND LIONEL S. SUCCESSOR TO W. H. FROGG SOLD TO HILLSIDE MEMORIAL PARK	12.50 <u>-12.50</u>
GARRETT CORPORATION, THE SUCCESSOR TO SHINDO BROTHERS, INCORPORATED		22.50*	HOLLYWOOD TURF CLUB	782.00*
GEORGIA-PACIFIC CORPORATION SUCCESSOR TO COAST FOREST PRODUCTS		3.40	HORNSTRA, WILBUR SOLD TO JAKE ENGELSMAN	14.10 <u>-14.10</u>
GRAHAM LAND COMPANY SUCCESSOR AND ASSIGNEE FOR A. C. JOHNSTON ORILL CO ABANDONED WATER RIGHT TOTAL	11.90 <u>-11.90</u>	0.00	HUNT, DONALD G. SUCCESSOR TO JAMES SLANUA SOLD TO RICHARD INOSE	1.40 <u>-1.40</u>
GILLINGHAM, FLORENCE R., ET AL.		2.40*	INDUSTRIAL CHEMICAL DIVISION, ALLIED CHEMICAL CORP. (FORMERLY ALLIED CHEMICAL CORP., GEN. CHEMICAL CO.)	255.00*
GONZALES, FELIPE AND GABRIELA		14.30*	INGLEWOOD, CITY OF SUCCESSOR TO FRANK ARELL SUCCESSOR TO HOISE CASCAVE BUILDING COMPANY SUCCESSOR IN PART TO GEORGE R. MUNDOCK	4382.00 1.40 16.92 <u>1.37</u>
GRAND LAND COMPANY SUCCESSOR IN PART TO SMITH, A. H., ET AL. ABANDONED WATER RIGHTS 1961-62 TOTAL	5.70 <u>-5.70</u>	0.00	INOSE, RICHIE SUCCESSOR TO DONALD G. HUNT	1.40
			SUCCESSOR TO THAYER, WALSH AND LOUIS A. LENOIR	3.50
			JENKINS, HARRY C. SUCCESSOR TO M. L. PERRY	1.80
			SOLD TO ABC NURSERY, INCORPORATED	-1.80
			JOHNS-HANVILLE PRODUCTS CORPORATION	881.00*
			JOHNSON, C. F. TRANSFERRED TO KADRU AND SATORU WADA	12.20 <u>-12.20</u>
			TOTAL	0.00

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES

SEPTEMBER 1973

(Continued)

JOHNSTON, A. S., DRILLING COMPANY ASSIGNED TO GRAHAM LAND COMPANY TOTAL	11.90 <u>-11.90</u>	0.00	MCDONNELL DOUGLAS CORPORATION (FORMERLY DOUGLAS AIRCRAFT COMPANY, INCORPORATED) LONG TERM LEASE FROM UNITED STATES NAVY DEPARTMENT	1.70
JONES, ANNA MAE SOLD TO CITY OF TORRANCE TOTAL	50.20 <u>-50.20</u>	0.00	MOBIL OIL CORPORATION (FORMERLY SUCONY MOBIL OIL COMPANY)	2570.00
JOUGHIN TORRANCE RANCH SUCCESSOR IN PART TO ISABELA J. GWANZ SOLD IN PART TO BARCLAY HOLLANDER CURCI INC. SOLD IN PART TO ROISE CASCAUD BUILDING COMPANY SOLD IN PART TO NORMAN L. PARK SOLD IN PART TO R. A. WATT, INCORPORATED TOTAL	212.42 -3.33 -16.92 -136.82 <u>-55.35</u>	0.00	MONETA MUTUAL WATER COMPANY SOLD TO CITY OF TORRANCE TOTAL	916.00 <u>-916.00</u>
JUNGQUIST, FRED A. FORMERLY KATHERINE P. WOODMAN JUNGQUIST SOLD TO ROBERT G. DANIEL S. & WILFRED D. FLITCHER TOTAL	3.70 <u>-3.70</u>	0.00	MONIZ, JOE JR. SOLD TO STATE OF CALIFORNIA TOTAL	2.20 <u>-2.20</u>
KAHLERT, ET AL SUCCESSOR IN PART TO KELLY PIPE COMPANY SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	18.90 <u>-18.90</u>	0.00	MORAN, RONALD E. SUCCESSOR IN PART TO C. D. S. INCORPORATED SOLD TO CITY OF TORRANCE TOTAL	9.00 <u>-9.00</u>
KELLY PIPE COMPANY SOLD IN PART TO STATE OF CALIFORNIA SOLD IN PART TO KAHLERT, ET AL. SOLD IN PART TO SPARKLETT'S DRINKING WATER CORP. TOTAL	49.00 -16.30 -18.90 <u>-13.20</u>	0.00	MORI, ROY H. AND KENJI SECOND WEST COAST BASIN JUDGMENT SOLD TO NOZAKI, SUMIKICHI TOTAL	5.60 <u>-5.60</u>
KURTZ, GLADYS SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	3.50 <u>-3.50</u>	0.00	MUROCK, GEORGE R. SUCCESSOR IN PART TO ISABELA J. GWANZ SOLD IN PART TO R. BARCLAY AND R. A. WATT SOLD IN PART TO CITY OF INGLEWOOD TOTAL	15.12 -13.75 <u>-1.37</u>
LAGERLOF, STANLEY C. SUCCESSOR TO LESLIE R. FLESH AND ANDOR PASTENAK, ET AL.		3.50	NAKANO, KIKUNO, ET AL. SOLD TO DOMINGUEZ WATER CORPORATION TOTAL	19.30 <u>-19.30</u>
LAHLER, JAMES K. SOLD TO R. ROBINSON AND ASSOCIATES TOTAL	3.10 <u>-3.10</u>	0.00	NAVARRO, T. C. SOLD TO HILARIO S. AND EMMA ALVAG TOTAL	53.90 <u>-53.90</u>
LEHMENS, ALFRED		0.70	NORAIN, A DIVISION OF NORTHROP CORPORATION (FORMERLY KNOWN AS NORTHROP AIRCRAFT, INC.)	38.15
LEOZINGER, EMMA L.		1.40	NORMANDIE PARK SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH SOLD TO CITY OF TORRANCE TOTAL	136.82 <u>-136.82</u>
LISTON, LAWRENCE SOLD TO R. AND L. HARRIS TOTAL	0.70 <u>-0.70</u>	0.00	NOZAKI, SUMIKICHI SUCCESSOR IN PART TO MORI, ROY H. AND KENJI	2.00
LONG BEACH, CITY OF		0.70	OSBORN, EMMA J. SUCCESSOR IN PART TO ISABELA J. GWANZ SOLD TO R. BARCLAY AND R. A. WATT TOTAL	32.66 <u>-32.66</u>
LOPES, FRANK		3.70	OTANI, CHISATO	0.00
LOS ANGELES, CITY OF		1503.00	PACIFIC CREST CEMETERY COMPANY SUCCESSOR TO M. S. SCOTT SUCCESSOR TO WADA, KAORI AND SATOKU TOTAL	17.70 9.50 <u>12.20</u>
LOS ANGELES COUNTY-ALONORA PARK SUCCESSOR TO LOS ANGELES COUNTY FLOOD CONTROL DIST TOTAL	28.70 <u>39.00</u>	67.70	PALOS VERDES GLENDA FARM SUCCESSOR TO GUS A. BAUMAN	0.00
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT SUCCESSOR IN PART TO A. M. SMITH, ET AL. SOLD TO LOS ANGELES COUNTY - ALONORA PARK TOTAL	37.60 1.40 <u>-39.00</u>	0.00	PALOS VERDES WATER COMPANY SOLD TO CALIFORNIA WATER SERVICE COMPANY TOTAL	999.00 <u>-999.00</u>
LOS ANGELES COUNTY SANITATION DISTRICT NO. 2		102.00	PARK WATER COMPANY	160.00
LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 13		1352.00	PARKE, ZONAIDA SOLD TO H. L. PENNY TOTAL	1.80 <u>-1.80</u>
LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 22		551.00	PASCHKE, WILLIAM JOSEPH ABANDONED WATER RIGHT TOTAL	0.00 <u>-0.00</u>
LOS ANGELES COUNTY - WILKIN AVENUE GOLF COURSE SECOND WEST COAST BASIN JUDGMENT LISTED AS BOARD OF RETIREMENT OF THE LOS ANGELES COUNTY EMPLOYEES RETIREMENT SYSTEM.		296.00	PERRY, M. L. SUCCESSOR TO ZONAIDA PARKE SOLD TO HARRY C. JENKINS TOTAL	1.80 <u>-1.80</u>
LOYOLA MARYMOUNT UNIVERSITY FORMERLY LOYOLA UNIVERSITY OF LOS ANGELES		48.10	PHILLIPS PETROLEUM COMPANY (FORMERLY TIOWATER OIL COMPANY)	167.00
MANHATTAN BEACH, CITY OF		131.20		
MAYFLOWER NURSERIES (SEE ALSO UNDER HERBERT SAKAYE FUKUWA)		0.00		
MCPHENESS, JAMES SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	6.70 <u>-6.70</u>	0.00		

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES

SEPTEMBER 1973

(Continued)

REHOR, JOSEPHINE P.	2.20	SOUTHERN PACIFIC COMPANY SOLD TO SO. CALIFORNIA WATER COMPANY TOTAL	166.00 <u>-166.00</u>	0.00
REIFSNYDER, JEANETTE R. (NOW KNOWN AS JEANETTE N. HLYOFENBECK)		SOUTHWEST STEEL ROLLING MILLS SUCCESSOR TO A. K. WILSON LUMBER COMPANY SOLD TO COAST FOREST PRODUCTS TOTAL	3.40 <u>-3.40</u>	0.00
RICHFIELD OIL CORPORATION (NOW KNOWN AS ATLANTIC RICHFIELD COMPANY)		SOUTHWESTERN PORTLAND CEMENT COMPANY SOLD TO CHANDLER'S PALOS VERDES SAND & GRAVEL CORP. TOTAL	16.00 <u>-16.00</u>	0.00
ROBINSON, B. AND ASSOCIATES SUCCESSOR TO JAMES K. LAWLER SOLD IN PART TO HARRIS TUBE, INCORPORATED SOLD IN PART TO SOUTHERN CALIFORNIA WATER COMPANY TOTAL	3.10 -0.70 <u>-2.40</u>	SPANISH AMERICAN INSTITUTE SOLD TO FUTURA INDUSTRIES, INCORPORATED TOTAL	44.00 <u>-44.00</u>	0.00
ROCKWELL, MICHAEL L. SUCCESSOR TO BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION (TRUST B 1-51)	0.10	SPARKLETT'S DRINKING WATER CORPORATION SUCCESSOR TO GLADYS KURTZ SUCCESSOR TO JAMES MCANULESS SUCCESSOR TO KAHLERT, ET AL. SUCCESSOR TO REMBERT C. ANDERSON, ET AL. SUCCESSOR TO STATE OF CALIFORNIA SUCCESSOR TO WECHSLER, B. A. SUCCESSOR IN PART TO KELLY PIPE COMPANY TOTAL	7.50 0.70 18.90 80.50 27.10 3.10 <u>13.00</u>	152.60
RODRIGUEZ, FLAVIO SOLD TO STATE OF CALIFORNIA DISCLAIMED WATER RIGHT TOTAL	6.10 -4.00 <u>-2.10</u>	STANDARD OIL COMPANY OF CALIFORNIA	4541.70*	
ROMAN CATHOLIC ARCHDIOCESE OF LOS ANGELES (HOLY CROSS CEMETERY)	72.30*	STAUFFER CHEMICAL COMPANY	521.00*	
RUFFNER CORPORATION SUCCESSOR TO LOUIS M. SEPULVEDA ABANDONED WATER RIGHT TOTAL	0.70 <u>-0.70</u>	SUPERIOR OIL COMPANY	0.00	
RYAN AERONAUTICAL COMPANY SOLD TO SOUTHERN CALIFORNIA WATER COMPANY TOTAL	20.20 <u>-20.20</u>	SWICK, PEGGY SOLD TO HILARIO AND EMMA ALWAG TOTAL	5.50 <u>-5.50</u>	0.00
SANTA FE LAND IMPROVEMENT COMPANY	39.50*	TEXACO, INC.	3432.00	
SCANDA, JAMES AND GEORGE NASSIN SOLD TO DONALD G. HUNT TOTAL	1.90 <u>-1.90</u>	THARTER, RALPH AND LOIS A. LENOIR SOLD TO KENICHT INOSE TOTAL	3.50 <u>-3.50</u>	0.00
SCHLAEGEL, KEITH W. AND OPAL B. SOLD TO SIENEY R. AND CHARLOTTE W. TITEL TOTAL	13.60 <u>-13.60</u>	TIDEWATER OIL COMPANY (SEE PHILLIPS PETROLEUM COMPANY)		
SCOTT, M. S. SUCCESSOR TO W. F. BURKE AND LOIS PRICE DISCLAIMED TO PACIFIC CREST CEMETERY COMPANY TOTAL	9.50 <u>-9.50</u>	TITLE, SIDNEY R. AND CHARLOTTE W. SUCCESSOR TO KEITH W. AND OPAL B. SCHLAEGEL SOLD TO ABC NURSERY, INCORPORATED TOTAL	13.60 <u>-13.60</u>	0.00
SEBACK, ALFRED D. AND RUTH SOLD TO LESLIE R. FLESH AND ANDOR PASTERNAK, ET AL TOTAL	3.50 <u>-3.50</u>	TORRANCE, CITY OF SUCCESSOR TO ALCANT FOUNDRY, ET AL SUCCESSOR TO RICHARD BANCALAY AND R. A. WATT SUCCESSOR TO BELVIERE NATURAL WATER COMPANY SUCCESSOR TO ANNA MAE JONES SUCCESSOR TO MONETA WATER COMPANY SUCCESSOR TO RONALD F. MORAN SUCCESSOR TO NODMANOTE PARK SUCCESSOR TO TORRANCE UNIFIED SCHOOL DISTRICT SUCCESSOR TO R. A. WATT, INCORPORATED TOTAL	2519.00 7.20 59.96 33.40 50.20 416.00 9.00 136.82 59.40 <u>13.75</u>	3804.73*
SEPFETS, ESTHER M. (FORMERLY CLYDE L. SHEETS)	5.50*	TORRANCE SAND AND GRAVEL CORPORATION SUCCESSOR TO WESTON INVESTMENT COMPANY SOLD TO CHANDLER'S PALOS VERDES SAND & GRAVEL CORP. TOTAL	184.00 <u>-184.00</u>	0.00
SMELL OIL COMPANY	4516.00*	TORRANCE UNIFIED SCHOOL DISTRICT SUCCESSOR TO HILARIO S. AND EMMA ALWAG SOLD TO CITY OF TORRANCE TOTAL	59.40 <u>-59.40</u>	0.00
SHIMODA BROTHERS, INCORPORATED SECOND WEST COAST BASIN JUDGMENT SOLD TO GARRETT CORPORATION, THE TOTAL	22.50 <u>-22.50</u>	TUNE, NATES, ET AL. SUCCESSOR TO JOSEPHINE WATKINSON SOLD TO B. A. WECHSLER TOTAL	3.10 <u>-3.10</u>	0.00
SMITH, A. M. (SAM SUBBER AND FREDA SMITH) SOLD IN PART TO STATE OF CALIFORNIA SOLD IN PART TO GRAND LAND COMPANY SOLD IN PART TO L. A. CO. FLOOD CONTROL DISTRICT TOTAL	9.70 -2.60 -5.70 <u>-1.40</u>	UNION NURSERY, INCORPORATED SECOND WEST COAST BASIN JUDGMENT	4.70*	
SOPONY MOBIL OIL COMPANY (SFE MOBIL OIL COMPANY)		UNION OIL COMPANY OF CALIFORNIA	2670.00*	
SOUTHERN CALIFORNIA EDISON COMPANY SUCCESSOR TO ASSOCIATED SOUTHERN INVESTMENT CO. TOTAL	10.40 <u>46.70</u>	UNITED CALIFORNIA BANK SUCCESSOR TO ROSEMARY N. BALLMAN	7.00*	
SOUTHERN CALIFORNIA WATER COMPANY SUCCESSOR TO CARMELITA MOSEGRANS EWING SUCCESSOR TO RYAN AERONAUTICAL COMPANY SUCCESSOR TO SOUTHERN PACIFIC COMPANY SUCCESSOR IN PART TO OWEN W. CURTIS SUCCESSOR IN PART TO B. ROBINSON AND ASSOCIATES TOTAL	6265.30 91.30 20.20 166.00 3.44 <u>2.40</u>	UNITED STATES NAVY DEPARTMENT TRANSFERRED FROM ALUMINUM COMPANY OF AMERICA LONG TERM LEASE TO MCGRUNNELL DUNLAP CORPORATION TOTAL	1.70 <u>-1.70</u>	0.00
	6548.64	UNITED STATES STEEL CORPORATION	1791.00*	

**ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES
SEPTEMBER 1973
(Continued)**

VERRUG, WILLIAM AND CLARA H. SOLD TO ABC NURSEY, INCORPORATED TOTAL	6.70 <u>-6.70</u>	0.00
WAUA, KAGOU AND SATOMU TRANSFERRED FROM C. F. JOHNSON SOLD TO PACIFIC CREST CEMETERY COMPANY TOTAL	12.20 <u>-12.20</u>	0.00
WATKINSON, JOSEPHINE SOLD TO MATES TUNE, ET AL. TOTAL	9.10 <u>-9.10</u>	0.00
WATSON LAND COMPANY SUCCESSOR IN PART TO DOMINGUEZ WATER CORPORATION TOTAL	42.60 <u>37.60</u>	80.20*
WATT, R. A., INCORPORATED SUCCESSOR TO NEO EWING, ET AL. SUCCESSOR IN PART TO ISABELA J. GRANZ ESTATE SUCCESSOR IN PART TO JOUGHIN TORRANCE RANCH SOLD TO DOMINGUEZ WATER CORPORATION SOLD TO CITY OF TORRANCE TOTAL	6.50 13.75 55.15 <u>-61.85</u> <u>-13.75</u>	0.00
WELMSLEY, B. A. SUCCESSOR TO MATES TUNE, ET AL. SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	3.10 <u>-3.10</u>	0.00
WESTON INVESTMENT COMPANY SOLD TO TORRANCE SAND AND GRAVEL CORPORATION TOTAL	184.00 <u>-184.00</u>	0.00
WILSON, A. K., LUMBER COMPANY SOLD TO SOUTHWEST STEEL ROLLING MILLS TOTAL	9.40 <u>-9.40</u>	0.00
WISEBURN SCHOOL DISTRICT		8.20*
WOODMAN, KATHERINE P. (SEE FRED A. JUNGQUIST)		
ZEIGLER, MAXWELL T.		0.00*
GRAND TOTAL		<u>64468.25</u>

*MEMBER OF EXCHANGE POOL AS OF SEPTEMBER 30, 1973,
PURSUANT TO PARAGRAPH VII OF THE JUDGMENT.

WATER RIGHTS LICENSE

ATLANTIC RICHFIELD COMPANY
CERTIFICATE OF OWNERSHIP

ATLANTIC RICHFIELD COMPANY
CERTIFICATE OF OWNERSHIP

For a valuable consideration, UNION OIL COMPANY OF CALIFORNIA, a corporation (Union), hereby grants to ATLANTIC RICHFIELD COMPANY, a corporation (ARCO), a license to extract, during the period beginning October 1, 1972 and ending September 30, 1973, 800 acre-feet of the 2670 acre-feet of Adjudicated Right owned by Union under and pursuant to the provisions of the Judgment dated August 18, 1961, entered in Los Angeles County Superior Court Case No. 506,806, entitled "California Water Service Company, et al. vs. City of Compton, et al."

This license shall be subject to the following conditions:

1. Licensee shall exercise this license and shall extract the aforesaid 800 acre-feet of Adjudicated Right on behalf of Union during the above specified period and shall put the same to beneficial use and Licensee shall not by the exercise hereunder of Union's right acquire any right to extract water independent of the rights of Union.
2. Licensee shall keep and maintain accurate records of its ground water extractions made hereunder and shall report the same to the Central and West Basin Water Replenishment District, to the court-appointed Watermaster, being the Department of Water Resources of the State of California, and to Union.
3. Licensee shall notify the District and the Watermaster that such ground water extraction was made pursuant to the provisions of this license agreement, a copy of which shall be provided to the Watermaster by Union.
4. Licensee shall pay to the District all ground water replenishment assessments levied by the District on the quantity of ground water extracted by Licensee hereunder.

Union warrants that it owns the aforesaid 800 acre-feet of Adjudicated Right and that the same has not been nor shall it be extracted by Union or by any other party under authority granted by Union, during the period beginning October 1, 1972 and ending September 30, 1973.

DATED: September 26, 1972.

UNION OIL COMPANY OF CALIFORNIA

ATLANTIC RICHFIELD COMPANY

By Frederick M. Anderson, Vice President
Corporate Real Estate

By John A. White, Secretary
Vice President

Union Oil Company - California
Union Oil Center, Box 1800, Los Angeles, California 90051
Telephone (213) 486-6310

44153.5

union

June 22, 1973

Frederick M. Anderson
Vice President
Corporate Real Estate
Gettlemen:

Atlantic Richfield Company
P. O. Box 787
Birmingham, California 90744

Announcement of Water Rights
License, West Coast Basin

Reference is made to Water Rights License dated September 26, 1972, between Union Oil Company of California, a corporation (Union), and Atlantic Richfield Company, a corporation (ARCO), under which Union has granted to ARCO a license to extract, during the period beginning October 1, 1972 and ending September 30, 1973, 800 acre-feet of the 2670 acre-feet of Adjudicated Right owned by Union under and pursuant to the provisions of the Judgment dated August 18, 1961, entered in Los Angeles County Superior Court Case No. 506,806, entitled "California Water Service Company, et al. vs. City of Compton, et al."

Confirming our mutual understanding, the Water Rights License is amended as follows: The total quantity of Adjudicated Right covered by the license shall be increased from 800 acre-feet to 1050 acre-feet, resulting in an increase of 250 acre-feet in the quantity of water which ARCO shall be authorized to extract and shall extract, and which Union warrants it owns, under the provisions of the Water Rights License.

Except as provided above, the Water Rights License shall remain unchanged. If the foregoing correctly sets forth our mutual understanding, please so indicate in the space provided on the enclosed three copies of this letter and return them to the undersigned.

Very truly yours,
UNION OIL COMPANY OF CALIFORNIA

PHN:WHC:rd

By Frederick M. Anderson, Director
Frederick M. Anderson, Director
Corporate Real Estate

Accepted and Agreed to this
day of July, 1973.

ATLANTIC RICHFIELD COMPANY

By John A. White, Secretary

By John A. White, Secretary
John A. White, Secretary
Corporate Real Estate

Automation Industries, Inc., a California corporation, does hereby certify that:

1. Automation Industries, Inc. owns all the outstanding stock of Harris Tube, Inc., a California corporation.
2. Article 11, Section 13 of the By-Laws of Automation Industries, Inc. provides that any action intended or permitted to be taken by its Board of Directors under any provision of Section 190 (100%) of the Corporations Code of California may be taken without a meeting, if all members of the Board of Directors shall individually or collectively consent in writing to such action in the same manner provided for in Section 194.5 of the Corporations Code of California. Pursuant to said Article 11, Section 13, of the By-Laws, all members of the Board of Directors of Automation Industries, Inc. have consented in writing on February 27, 1968, to the adoption of the following Resolution to merge Harris Tube, Inc. into Automation Industries, Inc. and to assume all of its obligations:

"WHEREAS, this corporation owns all the stock of Harris Tube, Inc. and

WHEREAS, it is deemed advisable and in the best interests of this corporation and its shareholders that Harris Tube, Inc. be merged into this corporation,

AND, WHEREAS, BY ITSELF, that this corporation merge Harris Tube, Inc. one of its wholly owned subsidiaries, now itself and a new all of the obligations of said subsidiary pursuant to Section 4126 of the Corporations Code of California, such merge to be effective as of the close of business on February 29, 1968, and

RESOLVED, FURTHER, that the President as a Vice President and the Secretary or an Assistant Secretary of this corporation be and they each are authorized and directed to execute and file a Certificate of Merger pursuant to Section 4126 of the Corporations Code of California, and to do any and all things and to execute any and all documents which they consider necessary and proper in order to consummate said merge.

IN WITNESS WHEREOF, Automation Industries, Inc. has executed this Certificate this 27th day of February, 1968.

AUTOMATION INDUSTRIES, INC.

By John A. White, Secretary
John A. White, Secretary

By John A. White, Secretary
John A. White, Secretary

DEED OF WATER RIGHTS

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, SECURITY PACIFIC NATIONAL BANK, a national banking association, co-executor of the last will of Minnie Joughin, deceased, JOHN J. TUTTLE, individually and as co-executor of the last will of Minnie Joughin, deceased, ARTHUR W. JOUGHIN, SECURITY PACIFIC NATIONAL BANK as Trustee of the Lillian Sanborn Trust, SECURITY PACIFIC NATIONAL BANK as Trustee of the Lizzie Joughin Trust, and WALTER D. SANBORN, JR., do and each of them does hereby sell and transfer to BARCLAY HOLLANDER CURCI, INC., a California corporation:

The Right to extract 3.33 acre-feet of Grantors' Adjudicated Right allocated to grantors, or their predecessors in interest, under and pursuant to Judgment dated August 18, 1961, and entered in Los Angeles Superior Court Case No. 506,806 entitled "California Water Service Company, et al., vs. City of Compton, et al."

Dated, July 13, 1973.

SECURITY PACIFIC NATIONAL BANK

By John J. Tuttle, Co-Executor

Vice President

By Walter D. Sanborn, Jr., Co-Executor

Trust Real Estate Officer

John J. Tuttle, Co-Executor
Individually and as Co-Executor

Arthur W. Joughin, Co-Executor

Walter D. Sanborn, Jr., Co-Executor

4445

05736-192

D-73-1

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

BOISE CASCADE BUILDING COMPANY

herby grants and conveys to the City of Inglewood, a Municipal Corporation, 16.92 acre feet of water rights. These water rights are as shown in the Superior Court case of the County of Los Angeles, entitled, "California Water Service Company, et al, Plaintiffs, vs. City of Compton, et al, Defendants, #506-806.

DATED: January 5, 1972

BOISE CASCADE BUILDING COMPANY

BY

AND BY

STATE OF CALIFORNIA

SS.

COUNTY OF LOS ANGELES

On January 5, 1972, before me, the undersigned, a Notary Public in and for said State, personally appeared B. P. Roodenator known to me to be the Vice President and Robert C. Biffly known to me to be the Assistant Secretary of the BOISE CASCADE BUILDING COMPANY, the corporation that executed the within instrument, and known to me to be the persons who executed the within instrument on behalf of said corporation therein named, and acknowledged to me that said corporation executed the same.

WITNESS my hand and official seal the day and year first above written.



(SEAL)

WATER RIGHT LICENSE AND AGREEMENT

FOR A VALUABLE CONSIDERATION, CARSON MADRONA CO. hereby grants to DOMINGUEZ WATER CORPORATION a license to extract 104.00 acre feet of licensee's Adjudicated Right allocated to licensee (or predecessors in interest) under and pursuant to Judgment dated August 18, 1968 and entered in Los Angeles Superior Court Case No. 506806 entitled "California Water Service Company, et al. vs. City of Compton, et al." during the period commencing October 1, 1972 and continuing to and including September 30, 1973.

Said License is granted, subject to the following conditions:

- (1) Licensee shall exercise said right and extract the same on behalf of Carson Madrona Co. during the period above specified and put the same to beneficial use and licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of the licensor.
- (2) Licensee shall pay assessments levied on the pumping of said ground waters by the Central and West Basin Water Reclamation District.
- (3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.
- (4) Licensee shall note, in any recording of water production for the period of agreement, that said pumping was done pursuant to this license.

CARSON MADRONA CO. warrants that it has 104.00 acre feet of Adjudicated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said 104.00 acre feet during period of October 1, 1972 through September 30, 1973.

Dated:

CARSON MADRONA CO.
a partnership

DOMINGUEZ WATER CORPORATION

By [Signature]
[Name], partner

By Arthur L. Rivera
[Name], Vice President

CERTIFICATE OF OWNERSHIP

MERCINO: PALOS VERDES WATER COMPANY INC.
CALIFORNIA WATER SERVICE COMPANY

CALIFORNIA WATER SERVICE COMPANY, a California corporation, hereby does certify and state:

(a) That said corporation owns all the outstanding stock of Palos Verdes Water Company, a California corporation.

(b) That at a meeting of the board of directors of said corporation the following resolutions were adopted by a majority of its board of directors to merge said Palos Verdes Water Company, a California corporation, into said corporation and to assume all the obligations of said Palos Verdes Water Company:

WHEREAS, this corporation owns all of the outstanding capital stock of Palos Verdes Water Company, a California corporation; and

WHEREAS, this board of directors deems it advisable and in the best interests of this corporation and its shareholders that this corporation merge with Palos Verdes Water Company into itself and assume all its obligations

NOW, THEREFORE, BE IT RESOLVED, that this corporation merge with Palos Verdes Water Company into itself and assume all its obligations pursuant to Section 4124 of the California Corporations Code:

RESOLVED FURTHER, that the President, the Vice President and the Secretary or Assistant Secretary of this corporation be and they are authorized, empowered, and directed to execute, verify, and file with the California Secretary of State a Certificate of Ownership as required by Section 4124 of the California Corporations Code and to take such further action as may be necessary or proper to effect or document the merger of Palos Verdes Water Company into this corporation under the California Corporations Code.

(c) That the meeting of the board of directors at which said resolutions were adopted was duly held on the 20th day of December, 1972 at the hour of 1:30 o'clock A.M. at 1720 North Floral Street, San Jose, California, and that said resolutions were adopted by the vote of _____ directors, duly authorized and elected member of directors of the board of directors, _____ of whom were present and voting at said meeting.

Dated: December 22, 1972

CALIFORNIA WATER SERVICE COMPANY

RALPH D. LINDBERG

President

C. H. STUMP

Secretary

VERIFICATION

RALPH D. LINDBERG and C. H. STUMP, President and Secretary, respectively, of CALIFORNIA WATER SERVICE COMPANY, a California corporation, each says:

I have read the foregoing Certificate of Ownership and I declare under penalty of perjury that the facts and the matters set forth therein are true and correct to my own knowledge.

Executed on the 22nd day of December, 1972, at San Jose, California

RALPH D. LINDBERG

(Ralph D. Lindberg)

C. H. STUMP

(C. H. Stump)

THIS LEASE is made, in consideration, UNION BANK, TRUSTEE OF THE ESTATE OF CAROLINE NECHICH MENDEY, hereby grants to DOMINGUEZ WATER CORPORATION, a California corporation, a license to extract, annually 8.2 acre-feet of licensor's Adjudicated Right situated in the West Coast Basin, as provided in the judgment of said August 18, 1961 and entered in Los Angeles Superior Court Case No. 506,806, entitled "California Water Service Company, et al., v. City of Compton, et al.", during the period commencing October 1, 1972 and continuing to and including September 30, 1974.

Said license is granted, subject to the following conditions:

- (1) Licensee shall exercise said right and extract the same on behalf of UNION BANK, TRUSTEE OF THE ESTATE OF CAROLINE NECHICH MENDEY during the period above specified and put the same to beneficial use and licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of licensor.
- (2) Licensee shall pay assessments levied on the pumping of said ground waters by the Central and West Basin Water Replenishment District.
- (3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.
- (4) Licensee shall note, in any recording of water production for the period of assessment, that said pumping was done pursuant to this license.

UNION BANK, TRUSTEE OF THE ESTATE OF CAROLINE NECHICH MENDEY warrants that it has 8.2 acre-feet of Adjudicated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said 8.2 acre-feet during the two annual terms commencing on October 1, 1972 through September 30, 1974.

Dated February 28, 1973

UNION BANK, TRUSTEE OF THE ESTATE OF CAROLINE NECHICH MENDEY

By [Signature]
Title Trustee

DOMINGUEZ WATER CORPORATION

By [Signature]
Title President

WATER RIGHT LICENSE AND AGREEMENT

FOR A VALUABLE CONSIDERATION, LOYOLA UNIVERSITY OF LOS ANGELES, a corporation, hereby grants to DOMINGUEZ WATER CORPORATION, a California corporation, a license to extract, annually 48.10 acre-feet of licensor's Adjudicated Right situated in licensor's property in the West Coast Basin, as provided in the judgment of said August 18, 1961 and entered in Los Angeles Superior Court Case No. 506,806, entitled "California Water Service Company, et al., v. City of Compton, et al.", during the period commencing October 1, 1972 and continuing to and including September 30, 1974.

Said license is granted, subject to the following conditions:

- (1) Licensee shall exercise said right and extract the same on behalf of Loyola University of Los Angeles during the period above specified and put the same to beneficial use and licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of the licensor.
- (2) Licensee shall pay assessments levied on the pumping of said ground waters by the Central and West Basin Water Replenishment District.
- (3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.
- (4) Licensee shall note, in any recording of water production for the period of assessment, that said pumping was done pursuant to this license.

LOYOLA UNIVERSITY OF LOS ANGELES warrants that it has 48.10 acre-feet of Adjudicated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said 48.10 acre-feet during period of October 1, 1972 through September 30, 1974.

Dated February 28, 1973

LOYOLA UNIVERSITY OF LOS ANGELES DOMINGUEZ WATER CORPORATION

By [Signature] By [Signature]
Title President Title President

THIS LEASE is entered into the 28th day of February, 1973, by and between DOMINGUEZ WATER CORPORATION, a corporation, hereinafter DOMINGUEZ, and STANLEY C. LAGERLOF, an individual, hereinafter LAGERLOF.

For and in consideration of the mutual undertakings and obligations of the parties as hereinafter set forth, and for other valuable consideration, the parties hereto agree as follows:

1. LAGERLOF has acquired the right to produce, extract and withdraw 3.5 acre-feet of water per annum from the West Coast Basin, as said basin is described in the Judgment in the Los Angeles Superior Court Case No. 506,806, entitled "California Water Service Company, et al., v. City of Compton, et al."
2. LAGERLOF hereby leases to DOMINGUEZ and DOMINGUEZ hereby accepts from LAGERLOF 3.5 acre-feet of said right.
3. The term of this lease shall commence on the date of this lease and continue to and including September 30, 1973.
4. DOMINGUEZ shall pay to LAGERLOF the sum of \$105.00 on or before October 10, 1973.
5. DOMINGUEZ shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District on LAGERLOF's said water rights.
6. DOMINGUEZ shall exercise all of the rights leased hereunder and shall pump the same on behalf of LAGERLOF and shall put the same to beneficial use on or before September 30, 1973.
7. Each party agrees that of the quantity extracted by DOMINGUEZ, between the date of this lease and the end of the 1972-73 water year from the Basin in which said rights were leased to DOMINGUEZ, 3.5 acre-feet of said quantity shall be deemed to be pursuant to and in exercise of the rights leased hereby.

DATED: February 28, 1973.

DOMINGUEZ WATER CORPORATION

By [Signature]
Title President

Stanley C. Lagerlof

EXCHANGE OF WATER RIGHTS

The Parties hereto, DOMINGUEZ WATER CORPORATION, a California corporation, hereinafter DOMINGUEZ, and PICO COUNTY WATER DISTRICT, a county water district organized under Division 12 of the Water Code of California, hereinafter DISTRICT.

This agreement is based on the following facts:

1. DOMINGUEZ has rights to produce water from the Central Basin of California adjudicated to it under Central and West Basin Water Replenishment District v. Charles C. Adams, et al., No. 786,653, Los Angeles Superior Court, and has the right to extract not less than 500 acre feet from said basin for the balance of the water year 1972-73.

2. DISTRICT has acquired by lease the right to extract not less than 500 acre feet of water from the West Coast Basin for the balance of the water year 1972-73.

3. The parties desire to exchange said rights on the terms and conditions set forth below.

The parties hereto agree as follows:

A. DISTRICT hereby gives and transfers to DOMINGUEZ its right to extract water from the West Coast Basin for the water year 1972-73 to the extent of 500 acre feet and no more.

B. DOMINGUEZ hereby gives and transfers to DISTRICT its rights to extract water from the Central Basin for the water year 1972-73 to the extent of 500 acre feet and no more.

C. Each party agrees to pay before delinquency all pumping assessments levied by the Central and West Basin Water Replenishment District on the water rights being transferred to each.

D. Each party agrees to pump and extract the full amount of 500 acre feet of water and no more from the basin in which the transferred rights exist and put said amount to beneficial use therein prior to the end of the 1972-73 water year.

E. Each party agrees that the 500 acre feet extracted by it following the date of this agreement from the basin in which said rights were transferred to it shall be deemed to be pursuant to and in exercise of the rights transferred hereby.

DATED: March 19, 1973.

DOMINGUEZ WATER CORPORATION

By C. M. Brewer
C. M. Brewer, President

PICO COUNTY WATER DISTRICT

By Stanley C. Laceriot
Secretary

EXCHANGE OF WATER RIGHTS

The Parties hereto, DOMINGUEZ WATER CORPORATION, a California corporation, hereinafter DOMINGUEZ, and PICO COUNTY WATER DISTRICT, a county water district organized under Division 12 of the Water Code of California, hereinafter DISTRICT.

This agreement is based on the following facts:

1. DOMINGUEZ has rights to produce water from the Central Basin of California adjudicated to it under Central and West Basin Water Replenishment District v. Charles C. Adams, et al.,

No. 786,656, Los Angeles Superior Court, and has the right to extract not less than 100 acre feet from said basin for the balance of the water year 1972-73.

2. DISTRICT has acquired by lease the right to extract not less than 100 acre feet of water from the West Coast Basin for the balance of the water year 1972-73.

3. The parties desire to exchange said rights on the terms and conditions set forth below.

The parties hereto agree as follows:

A. DISTRICT hereby gives and transfers to DOMINGUEZ its right to extract water from the West Coast Basin for the water year 1972-73 to the extent of 100 acre feet and no more.

B. DOMINGUEZ hereby gives and transfers to DISTRICT its rights to extract water from the Central Basin for the water year 1972-73 to the extent of 100 acre feet and no more.

C. Each party agrees to pay before delinquency all pumping assessments levied by the Central and West Basin Water Replenishment District on the water rights being transferred to each.

D. Each party agrees to pump and extract the full amount of 100 acre feet of water from the basin in which the transferred rights exist and put said amount to beneficial use therein prior to the end of the 1972-73 water year.

E. Each party agrees that the 100 acre feet extracted by it following the date of this agreement from the basin in which said rights were transferred to it shall be deemed to be pursuant to and in exercise of the rights transferred hereby.

F. The provisions of this lease and the limitations stated herein refer only to the water rights transferred under this exchange agreement and in no way affects, impairs or modifies the prior exchange of water rights agreement heretofore entered into between the parties hereto dated March 19, 1973.

DATED: June 7, 1973.

DOMINGUEZ WATER CORPORATION

By C. M. Brewer
C. M. Brewer, President

PICO COUNTY WATER DISTRICT

By Stanley C. Laceriot
Secretary

WATER RIGHT LICENSE AND AGREEMENT

WATER RIGHT LICENSE AND AGREEMENT

FOR A VALUABLE CONSIDERATION, SANTA FE LAND IMPROVEMENT COMPANY hereby grants to DOMINGUEZ WATER CORPORATION, a license to extract 35.50 acre feet of Licensor's Adjudicated Right allocated to Licensee (or predecessor in interest) under and pursuant to Judgment dated August 18, 1961 entered in a Los Angeles Superior Court Case No. 50808 entitled "California Water Service Company, et al., vs. City of Compton, et al." during the period commencing October 1, 1972 and continuing to and including September 30, 1973.

Said license is granted, subject to the following conditions:

- (1) Licensee shall exercise said right and extract the same on behalf of Santa Fe Land Improvement Company during the period above specified and put the same to beneficial use and Licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of the licensor.
- (2) Licensee shall pay assessments levied on the pumping of said ground water by the Central and West Basin Water Replenishment District.
- (3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.
- (4) Licensee shall note, in any recording of water production for the period of agreement, that said pumping was done pursuant to this license.

SANTA FE LAND IMPROVEMENT COMPANY warrants that it has 35.50 acre feet of Adjudicated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said 35.50 acre feet during period of October 1, 1972 through September 30, 1973.

DATED: October 30, 1972

SANTA FE LAND IMPROVEMENT COMPANY DOMINGUEZ WATER CORPORATION

By [Signature] President

By [Signature] President

ESTATE OF JOHN HANIT hereby grants to ESTATE OF JOHN HANIT, a license to extract 35.50 acre feet of Licensor's Adjudicated Right allocated to Licensee (or predecessor in interest) under and pursuant to Judgment dated August 18, 1961 entered in a Los Angeles Superior Court Case No. 50808 entitled "California Water Service Company, et al., vs. City of Compton, et al." during the period commencing October 1, 1972 and continuing to and including September 30, 1973.

Said license is granted, subject to the following conditions:

- (1) Licensee shall exercise said right and extract the same on behalf of ESTATE OF JOHN HANIT during the period above specified and put the same to beneficial use and Licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of Licensor.
- (2) Licensee shall pay assessments levied on the pumping of said ground waters by the Central and West Basin Water Replenishment District.
- (3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.
- (4) Licensee shall note, in any recording of water production for the period of agreement, that said pumping was done pursuant to this license.

ESTATE OF JOHN HANIT warrants that it has 35.50 acre-feet of Adjudicated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said 35 acre-feet during the period October 1, 1972 through September 30, 1973.

By [Signature] ESTATE OF JOHN HANIT By [Signature] ESTATE OF JOHN HANIT

By _____

WATER RIGHT LICENSE AND AGREEMENT

LEASE OF WATER RIGHTS

FOR A VALUABLE CONSIDERATION, WATSON LAND COMPANY hereby grants to DOMINGUEZ WATER CORPORATION a license to extract 81.20 acre feet of Licensor's Adjudicated Right allocated to Licensee (or predecessor in interest) under and pursuant to Judgment dated August 18, 1961 entered in a Los Angeles Superior Court Case No. 50808 entitled "California Water Service Company, et al., vs. City of Compton, et al." during the period commencing October 1, 1972 and continuing to and including September 30, 1973.

Said license is granted, subject to the following conditions:

- (1) Licensee shall exercise said right and extract the same on behalf of Watson Land Company during the period above specified and put the same to beneficial use and Licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of the licensor.
- (2) Licensee shall pay assessments levied on the pumping of said ground water by the Central and West Basin Water Replenishment District.
- (3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.
- (4) Licensee shall note, in any recording of water production for the period of agreement, that said pumping was done pursuant to this license.

WATSON LAND COMPANY warrants that it has 81.20 acre feet of Adjudicated Right and that it has not pumped and will not pump or permit or license any other person to pump any part of said 81.20 acre feet during period of October 1, 1972 through September 30, 1973.

Dated: 10/30/72

WATSON LAND COMPANY DOMINGUEZ WATER CORPORATION

By [Signature] President

By [Signature] President

THIS LEASE, entered into as of August 31, 1972, by and between the ESTATE OF JOSEPHINE P. RENON (herein called "Lessor") and KENICHI INOSE (herein called "Lessee");

WITNESSETH:

WATSONS, Lessor, owns the prescriptive right to pump annually 2.2 acre-feet of water from a basin of ground water in southwestern Los Angeles County known as the West Coast Basin, which right was adjudicated and confirmed by the decision of the California District Court of Appeal on February 17, 1964, in California Water Service Company et al. vs. City of Compton et al (1st Civil No. 21156); and

WHEREAS, Lessor and Lessee desire that Lessor's water rights be leased to Lessee upon the terms and conditions herein stated,

NOW THEREFORE, it is agreed as follows:

1. Lessor hereby leases to Lessee -- and Lessee hereby takes and rents from Lessor -- the following water rights owned by Lessor: For each 12-month period commencing October 1, 1972, during the term of this lease, the total of 2.2 acre-feet of water.
2. The term of this lease shall be for the period commencing October 1, 1972, and ending September 30, 1973.
3. For the water rights leased to Lessee hereunder Lessee shall pay annually to Lessor Thirty-Five (\$35.00) Dollars for the 2.2 acre feet referred to in Section 1 hereof.
4. Payment of the sums due to Lessor pursuant to Section 3 above shall be made as follows: Thirty-Five (\$35.00) Dollars upon the execution of this lease and Thirty-Five (\$35.00) annually

thereafter on or before the first day of each October during the term of this lease.

5. Lessee is hereby granted an option to renew this lease for a further period of five (5) years from and after the expiration of the original term at a rental of Thirty-Five (\$35.00) Dollars per year for 2.2 acre-feet of water per year and upon the same terms and conditions as herein contained. Written notice of Lessee's intention to renew this lease shall be given to Lessor at least thirty (30) days prior to the expiration of this lease.

6. Lessee shall, in addition to the rent agreed to be paid by him under this lease, pay unto Lessor upon his demand all personal property taxes which shall, during the term of this lease, be assessed against the water rights in excess of the sum of Fifteen (\$15.00) Dollars, being approximately the real estate taxes assessed for the fiscal year ending on June 30th, preceding the date of execution hereof.

7. In this lease the masculine gender shall include the feminine and neuter gender and the feminine gender shall include the masculine and neuter gender should the context so require.

8. The respective rights and obligations of Lessor and Lessee hereunder shall extend to and inure to the benefit of and be binding upon their respective assigns and successors in interest.

IN WITNESS WHEREOF, the parties hereto have executed this lease as of the day and year first above written.

LESSOR: LESSEE:

ESTATE OF JOSEPHINE P. REHOR,
Deceased

Charles R. Anderson
Charles R. Anderson, AS EXECUTOR
of the Estate of Josephine P. Rehor,
Deceased

VENCHIL INCE

Josephine P. Rehor
Josephine P. Rehor, AS EXECUTRIX
of the Estate of Josephine P. Rehor,
Deceased

-2-

4. DEPARTMENT will pay to the Central and West Basin Water Replenishment District any pumping assessments levied by said Replenishment District during the 1972-73 water year on the quantity of water extracted by the DEPARTMENT from the West Coast Basin under said license.

5. DEPARTMENT will keep and maintain records of agreed production under this agreement and will report same to Watermaster and to DISTRICT upon completion of DEPARTMENT'S pumping.

IN WITNESS WHEREOF, the parties hereto have authorized the due execution hereof by the respective officers this day and year first above set forth.

DISTRICT:

LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 13 (LCHITA)



ATTEST:

JAMES S. HIZE
Clerk of the Board of Supervisors
of the City of Los Angeles

By *Robert L. Larson*
Chairman of the Board of Supervisors of the City of Los Angeles, as the governing body of said waterworks district

Conrad J. Hize
Deputy

ADOPTED
BOARD OF SUPERVISORS
CITY OF LOS ANGELES

APPROVED AS TO FORM

John H. Larson
Acting County Counsel
County of Los Angeles

37 MAY 29 1973

DEPARTMENT
By *Charles R. Anderson*
DEPARTMENT OF WATER AND POWER OF THE CITY OF LOS ANGELES
By *Josephine P. Rehor*
BOARD OF WATER AND POWER COMMISSIONERS OF THE CITY OF LOS ANGELES
and *Charles R. Anderson*

By *Robert L. Larson*
Deputy
APPROVED AS TO LEGALITY
CITY OF LOS ANGELES
APR 10 1973
AS CITY CLERK

NO 10636

AGREEMENT

THIS AGREEMENT made and entered into this 19th day of April 1972 by and between the LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 13 (LCHITA), a public corporation hereinafter referred to as "DISTRICT" and the DEPARTMENT OF WATER AND POWER OF THE CITY OF LOS ANGELES, hereinafter referred to as "DEPARTMENT,"

RECITALS

NICHEAS, both the DISTRICT and DEPARTMENT are producing from the West Coast Basin, and
WHEREAS, DISTRICT has an Adjudicated Right of 1352.00 acre feet of water per annum in said Basin, and
WHEREAS, DEPARTMENT desires to make temporary use of a portion of the DISTRICT'S Adjudicated Right for one water year only;
NOW, THEREFORE, THE PARTIES HERETO AWARE AS FOLLOWS:

1. The DISTRICT grants to DEPARTMENT a license to produce a portion of DISTRICT'S West Coast Basin Adjudicated Right in the quantity of 500 acre-feet for the water year which commences October 1, 1972, and which water year ends September 10, 1973.

2. DISTRICT grants to DEPARTMENT as part of this license the right of flexibility according to the provisions of the Judgment in Los Angeles County Superior Court Case No. 506,866, California Water Service Company, et al. vs. City of Long Beach et al.

3. DEPARTMENT agrees to pay DISTRICT the net sum of \$9,500.00 before January 1, 1974.

EXCHANGE OF FLEXIBILITY ALLOTMENTS

The Parties hereto are THE LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 13 (LCHITA), a public corporation, herein referred to as "DISTRICT" and the DEPARTMENT OF WATER AND POWER OF THE CITY OF LOS ANGELES, herein referred to as "DEPARTMENT."

This agreement is based on the following facts:

1. DEPARTMENT has an Allowed Pumping Allocation to produce water from the Central Basin of California adjudicated to it under Central and West Basin Water Replenishment District vs. Charles E. Adams, et al., No. 78,656, Los Angeles County Superior Court, and has the right to extract not less than 500 acre-feet from said basin for the balance of the water year 1972-73.

2. DISTRICT has an Adjudicated Right to produce water from the West Coast Basin of California adjudicated to it under California Water Service Company, et al. vs. City of Long Beach, et al., No. 506,866, Los Angeles County Superior Court, and has the right to extract not less than 500 acre-feet of water from said basin for the balance of the water year 1972-73.

3. DEPARTMENT has limited operational flexibility to extract its Allowed Pumping Allocation in the Central Basin, but has greater operational flexibility to extract water in the West Coast Basin.

4. Conversely, DISTRICT has limited operational flexibility to extract its Adjudicated Right in the West Coast Basin, but has a greater operational flexibility to extract water in the Central Basin.

5. An exchange of pumping allocations would increase the operational flexibility of both Parties and would be mutually beneficial.

6. The Parties desire to exchange said allotments on the terms and conditions set forth below.

A. DISTRICT hereby permits DEPARTMENT to extract water from the West Coast Basin for the water year 1972-73 to the extent of 500 acre-feet and no more.

B. DEPARTMENT hereby permits DISTRICT to extract water from the Central Basin for the water year 1972-73 to the extent of 500 acre-feet and no more.

C. Each Party agrees to pay before delinquency all pumping assessments levied by the Central and West Basin Water Replenishment District on each Party's pumping allotments.

D. Each Party agrees to extract the full amount of 500 acre-feet of water from the basin in which the transferred pumping allotment exists and put said amount to beneficial use therein prior to the end of the 1972-73 water year.

E. Each Party has the right to over-extract or under-extract as much as 50 acre-feet pursuant to the terms of the aforementioned Judgments.

F. Each Party agrees that the 500 acre-feet extracted by it following the date of the Agreement from the basin in which said pumping allotments were transferred to it shall be deemed to be pursuant to an exercise of the allotments transferred hereby.

DATED: April 19, 1973.

-2-

DISTRICT:

LOS ANGELES COUNTY WATER DISTRICT NO. 13 (LWD13)

By *[Signature]*
Chairman of the Board of Supervisors of County of Los Angeles, as the governing body of said waterworks District

ATTEST:

JAMES S. WISE
Executive Officer-Clerk of the Board of Supervisors

By *[Signature]*
Deputy

APPROVED AS TO FORM:

John L. Larson
Acting County Counsel
County of Los Angeles

ADOPTED
BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

37

MAY 29 1973

By *[Signature]*
Deputy

1. OF PARTIALITY
2. OF INTEREST
3. OF CONFLICT
4. OF DISQUALIFICATION
5. OF DISQUALIFICATION
6. OF DISQUALIFICATION
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By *[Signature]*
and *[Signature]*
Deputy Secretary

APPROVED AS TO FORM AND LEGALITY
JUL 10 1973
JAMES S. WISE
Executive Officer-Clerk of the Board of Supervisors

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STANDARD OIL COMPANY OF CALIFORNIA

THIS AGREEMENT is entered into this 1st day of October, 1972 by and between STANDARD OIL COMPANY OF CALIFORNIA, WESTERN OPERATIONS, INC. (a division of Standard Oil Company of California, a Delaware Corporation), hereinafter referred to as "STANDARD" and MOBIL OIL CORPORATION, hereinafter referred to as "MOBIL."

For and in consideration of the mutual undertakings and obligations of the parties as hereinafter set out and for other valuable consideration, the parties hereto agree as follows:

- STANDARD hereby leases to MOBIL and MOBIL takes from STANDARD the right to exercise STANDARD's appropriate, prescriptive and adjudicated right to extract water from the West Coast Basin (the ground water basin within the Central and West Basin Water Replenishment District in the State of California) to the extent of One Thousand Five Hundred (1,500) acre feet.
- The term of this lease shall be for the water year commencing October 1, 1972, and continuing to and including September 30, 1973.
- MOBIL shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District on STANDARD's said One Thousand Five Hundred (1500) acre feet of water right.
- STANDARD has been adjudicated to own at least one thousand five hundred (1500) acre feet of water in the case entitled CALIFORNIA WATER SERVICE COMPANY v. STANDARD OIL COMPANY OF CALIFORNIA, Los Angeles Superior Court Case No. SDG 800. However, STANDARD expressly makes no warranty that it is the owner of or has the right to lease the water rights purported to be leased hereunder. In the event, however, that it is deemed at any time during the term of this lease that it is the owner of or has the right to lease the water rights purported to be leased hereunder, under or pursuant to this lease, STANDARD shall, at any

consideration paid to STANDARD, computed on the agreed price per acre foot for any water rights which MOBIL is unable to exercise because of STANDARD's lack of ownership in said water rights. STANDARD does not warrant that there is sufficient water in said West Basin so as to enable MOBIL to extract the rights leased to it hereunder, but in the event that MOBIL is prevented from exercising all or any portion of the rights leased hereunder due to exhaustion of said basin or intervention or prohibition by any legally constituted government authority, any consideration paid by MOBIL to STANDARD shall be returned to MOBIL upon the same basis as that stated above.

- MOBIL shall exercise all of the rights leased hereunder and shall pump the same on behalf of STANDARD and shall put the same to beneficial use. MOBIL shall be relieved of its obligations under this paragraph to the extent that its failure to pump any of STANDARD's rights leased hereunder is caused by MOBIL's inability to pump or use such water due to strikes, lockouts, algae growth in the water table, or any other reason which would make the water industrially unusable by MOBIL, acts of God, or other acts or occurrences of which MOBIL has no control. MOBIL shall notify STANDARD within a reasonable time of the existence of any of the aforementioned conditions.
- STANDARD shall not pump water from said West Basin during the term of this lease in a quantity which would include any portion of the One Thousand Five Hundred (1500) acre feet leased hereunder.
- MOBIL shall report all of its extractions made pursuant to this lease to all agencies to whom such reports must be made, or in the alternative, shall provide such information regarding its pumping to STANDARD so that STANDARD may make such reports, if any are required during the term of this lease.

LICENSE FOR WATER RIGHTS
WEST COAST BASIN

B. If either party to this lease shall desire to serve a notice on the other, such notice shall be deemed to have been made if those sent to STANBARD are mailed to Mr. Thron Riege, General Manager, Attention: Mr. C. D. Barker, Standard Oil Company of California, Western Operations, Inc., 324 West El Segundo Boulevard, El Segundo, California 90245, and all notices sent to MORIL are mailed to Mr. M. J. Hage, Attention: Mr. T. W. Gregory, Mobil Oil Corporation, 3700 West 190th Street, Torrance, California 90503. Delivery will be deemed to have been made when deposited in the United States mail, postage prepaid. Either party may, by notice in writing to the other, change such address for notices to file.

IN WITNESS WHEREOF the parties hereto execute this agreement on the date first above written.

STANDARD OIL COMPANY OF CALIFORNIA
WESTERN OPERATIONS, INC., INC.
(A Division of Standard Oil Company
of California, a Delaware Corporation)

By [Signature]
Vice President

MORIL OIL CORPORATION

By [Signature]
Attorney At Law

INITIALS	DATE
Standard Oil	9-1-73
Mobil Oil	9-27-73
Witness	

DEED OF WATER RIGHTS

For a valuable consideration, ROY M. MORI and KENJI MORI hereby sells and transfers to SUNIKICHI NOZAKI:

The Right to extract Two (2) acre-feet of grantor's adjudicated Right allocated to grantor (or predecessors in interest) under and pursuant to Judgment dated August 18, 1961 and entered in Los Angeles Superior Court Case No. 50606, entitled "California Water Service Company, et al. vs. City of Compton, et al."

Dated: June 9, 1973

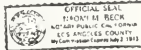
[Signature]
SUNIKICHI NOZAKI, Grantor

[Signature]
ROY M. MORI, Grantor
[Signature]
KENJI MORI, Grantor

STATE OF CALIFORNIA }
COUNTY OF San Bernardino }

On June 9, 1973 before me, the undersigned, a Notary Public in and for said State, personally appeared SUNIKICHI NOZAKI, to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same.

WITNESS my hand and official seal.



STATE OF MICHIGAN }
COUNTY OF Kalamazoo }

On June 9, 1973 before me, the undersigned, a Notary Public in and for said State, personally appeared ROY M. MORI and KENJI MORI, known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same.

WITNESS my hand and official seal.

LEONA J. SMITH
Notary Public, Kalamazoo County, Mich.
My Commission Expires May 11, 1978

This agreement is entered into this First day of August, 1973, by and between Southern California Edison Company, a California corporation, hereinafter referred to as LICENSOR, and CHICAGO OTANI, hereinafter referred to as LICENSEE.

For and in consideration of the mutual undertakings and obligations of the parties as hereinafter set forth and for other valuable consideration, the parties hereto agree as follows:

1. LICENSOR hereby gives to LICENSEE and LICENSEE takes from LICENSOR the right to exercise LICENSOR'S appurtenant, prescriptive and adjudicated right(s) to extract water from the West Coast Basin (the ground water located within the Central and West Basin Water Replenishment District in the State of California) to the extent of fifty-five (55) acre-feet per annum.

2. The term of this license shall be for the water year commencing October 1, 1972, and continuing to and including September 30, 1973; provided, however, that this agreement shall terminate immediately upon the expiration, cancellation or termination of the license previously granted to Chicago Otani, bearing Licensor's document number -----.

3. LICENSEE shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District in LICENSEE'S said fifty-five (55) acre-feet of water right(s).

4. LICENSEE SHALL comply promptly with all requirements of the Central and West Basin Water Replenishment District (including the filing of pumping reports and the obtaining of exchange pool water if necessary) and those of any public agency or authority.

5. LICENSOR has been adjudicated to own at least fifty-seven and one tenth (57.1) acre-feet of water in the case entitled "California Water Service Company, et al. vs. City of Compton, et al." Los Angeles Superior Court Case No. 506,806. However, LICENSOR expressly makes no warranty that it is the owner of or has the right to give the water rights purported to be given hereunder. LICENSOR does NOT warrant that there is sufficient water in said West Coast Basin so as to enable LICENSEE to extract the rights given to it hereunder.

6. LICENSEE shall exercise all of the rights given hereunder and shall pump the same on behalf of LICENSOR and shall put the same to beneficial use. LICENSEE shall be relieved of its obligations under this paragraph to the extent that its failure to pump any of LICENSOR'S rights given hereunder is caused by LICENSOR'S inability to pump or use such water due to strikes, lockouts, algae growth, the water table or any other reason which would make the water agriculturally or industrially unusable by LICENSEE, acts of God or other acts or occasions of which LICENSEE shall notify LICENSOR within a reasonable time of the assistance of any of the aforementioned conditions.

7. LICENSOR shall not pump water from said West Coast Basin during the term of this license in a quantity which would include any portion of the fifty-five (55) acre-feet given to LICENSEE.

8. LICENSEE agrees to relinquish to LICENSOR the right to pump any of the fifty-five (55) acre-feet herein licensed not pumped by the LICENSEE during the term of this license.

9. If either party to this license shall desire to serve a notice on the other, such notice shall be deemed to have been made if those sent to LICENSOR are mailed to Manager of Right of Way and Land Department, Southern California Edison Company, P. O. Box 600, Rosemead, California 91770, Attention of Supervisor of Property Management; and all notices sent to LICENSEE ARE mailed to 18127 Franklin Avenue, Torrance, California. Delivery will be deemed to have been made when deposited in United States mail, postage prepaid. Either party may, by notice in writing to the other, change such address for notices to it.

IN WITNESS WHEREOF, the parties hereto execute this agreement on the date first above written.

SOUTHERN CALIFORNIA EDISON COMPANY
a California corporation

By [Signature]
Manager
Right of Way and Land Department
LICENSOR

By [Signature]
Chicago Otani
LICENSEE

LEASE OF WATER RIGHTS

THIS LEASE is entered into the 12th day of March 1973, by and between UNITED STATES STEEL CORPORATION, a Delaware corporation, hereinafter referred to as "UNITED STATES STEEL," and PICO COUNTY WATER DISTRICT, a county water district organized under the Water Code of California, hereinafter referred to as "PICO."

For and in consideration of the mutual undertakings and obligations of the parties as hereafter set forth, and for other valuable consideration, the parties hereto agree as follows:

1. UNITED STATES STEEL has been adjudged to have a right to produce, extract and withdraw 1791 acre feet of water per annum from the West Coast Basin, which right is designated an Adjudicated Right, and is described in the Judgment in Los Angeles Superior Court Case No. 506806 entitled California Water Service Company, et al., v. City of Compton, et al.

2. UNITED STATES STEEL HEREBY leases to PICO and PICO hereby accepts from UNITED STATES STEEL a portion of said Adjudicated Right to the extent of 500 acre feet.

3. The term of this lease shall commence on the date of this lease and continue to and including September 30, 1973.

4. PICO shall pay to UNITED STATES STEEL the sum of \$15,000.00 on or before September 30, 1973.

5. PICO shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District on UNITED STATES STEEL'S said 500 acre feet of water rights.

6. PICO shall exercise or cause to be exercised the right to pump said 500 acre feet of water leased hereunder and shall pump the same on behalf of UNITED STATES STEEL and shall put or cause to be put the same to beneficial use on or before September 30, 1973.

7. The last 500 acre feet of water extracted by PICO or others on its behalf from said West Coast Basin during the water year ending September 30, 1973, shall be deemed to be pursuant to and in exercise of the rights leased hereby; and if for any reason said last 500 acre feet of water cannot be considered or deemed to have been extracted pursuant to and in exercise of the rights leased hereby, then any 500 acre feet of water extracted by PICO or others on its behalf between the date hereof and September 30, 1973, shall be deemed to be pursuant to and in exercise of the rights leased hereby.

8. This lease shall not be construed in any way to be a transfer or to cause the transfer of any of Lessor's rights in said West Coast Basin except that PICO will have the right to produce or cause to be produced by others 500 acre feet of water in and from the West Coast Basin during the water year ending September 30, 1973.

UNITED STATES STEEL CORPORATION

By [Signature] 4/20/73

PICO COUNTY WATER DISTRICT

By _____ Secretary

LEASE OF WATER RIGHTS

THIS LEASE is entered into the 11th day of June, 1973, by and between UNITED STATES STEEL CORPORATION, a Delaware corporation, hereinafter referred to as "UNITED STATES STEEL," and PICO COUNTY WATER DISTRICT, a county water district organized under the Water Code of California, hereinafter referred to as "PICO."

For and in consideration of the mutual undertakings and obligations of the parties as hereafter set forth, and for other valuable consideration, the parties hereto agree as follows:

1. UNITED STATES STEEL has been adjudged to have a right to produce, extract and withdraw 1791 acre feet of water per annum from the West Coast Basin, which right is designated an Adjudicated Right, and is described in the Judgment in Los Angeles Superior Court Case No. 506806 entitled California Water Service Company, et al., v. City of Compton, et al.

2. UNITED STATES STEEL hereby leases to PICO and PICO hereby accepts from UNITED STATES STEEL a portion of said Adjudicated Right to the extent of 100 acre feet.

3. The term of this lease shall commence on the date of this lease and continue to and including September 30, 1973.

4. PICO shall pay to UNITED STATES STEEL the sum of \$3,000.00 on or before September 30, 1973.

5. PICO shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District on UNITED STATES STEEL'S said 500 acre feet of water rights.

6. PICO shall exercise or cause to be exercised the right to pump said 100 acre feet of water leased hereunder and shall pump the same on behalf of UNITED STATES STEEL and shall put or cause to be put the same to beneficial use on or before September 30, 1973.

7. The last 100 acre feet of water extracted by PICO or others on its behalf from said West Coast Basin during the water year ending September 30, 1973, shall be deemed to be pursuant to and in exercise of the rights leased hereby; and if for any reason said last 100 acre feet of water cannot be considered or deemed to have been extracted pursuant to and in exercise of the rights leased hereby, then any 100 acre feet of water extracted by PICO or others on its behalf between the date hereof and September 30, 1973, shall be deemed to be pursuant to and in exercise of the rights leased hereby.

8. This lease shall not be construed in any way to be a transfer or to cause the transfer of any of Lessor's rights in said West Coast Basin except that PICO will have the right to produce or cause to be produced by others 100 acre feet of water in and from the West Coast Basin during the water year ending September 30, 1973.

UNITED STATES STEEL CORPORATION

By [Signature]

PICO COUNTY WATER DISTRICT

By [Signature] Secretary

LEASE OF WATER RIGHTS

THIS LEASE is entered into the 10th day of September, 1973, by and between UNITED STATES STEEL CORPORATION, a Delaware corporation, hereinafter referred to as UNITED STATES STEEL, and STAUFFER CHEMICAL COMPANY, a Delaware corporation, hereinafter referred to as STAUFFER.

For and in consideration of the mutual undertakings and obligations of the parties as hereafter set forth, and for other valuable consideration, the parties hereto agree as follows:

1. UNITED STATES STEEL has been adjudged to have a right to produce, extract and withdraw 1791 acre feet of water per annum from the West Coast Basin, which right is designated an Adjudicated Right, and is described in the Judgment in Los Angeles Superior Court case No. 506806 entitled California Water Service Company, et al., v. City of Compton, et al.

2. UNITED STATES STEEL hereby leases to STAUFFER and STAUFFER hereby accepts from UNITED STATES STEEL a portion of said Adjudicated Right to the extent of 45 acre feet.

3. The term of this lease shall commence on the date of this lease and continue to and including September 30, 1973.

4. STAUFFER shall pay to UNITED STATES STEEL the sum of \$1,350.00 on or before September 30, 1973.

5. STAUFFER shall pay, before delinquency, all pumping assessments levied by the Central and West Basin

1.

Water Replenishment District on UNITED STATES STEEL'S said 45 acre feet of water rights.

6. STAUFFER shall exercise or cause to be exercised the right to pump said 45 acre feet of water leased hereunder and shall pump the same on behalf of UNITED STATES STEEL and shall put or cause to be put the same to beneficial use on or before September 30, 1973.

7. The least 45 acre feet of water extracted by STAUFFER from said West Coast Basin during the water year ending September 30, 1973, shall be deemed to be pursuant to and in exercise of the rights leased hereby; and if for any reason said least 45 acre feet of water cannot be considered or deemed to have been extracted pursuant to and in exercise of the rights leased hereby, then any 45 acre feet of water extracted by STAUFFER between the date hereof and September 30, 1973, shall be deemed to be pursuant to and in exercise of the rights leased hereby.

8. This lease shall not be construed in any way to be a transfer of any of Lessor's rights in said West Coast Basin except that STAUFFER will have the right to produce 45 acre feet of water in and from the West Coast Basin during the water year ending September 30, 1973.

9. As further consideration for this lease, UNITED STATES STEEL shall have the right to demand from STAUFFER 45 acre feet of water from the West Coast Basin during the water year October 1, 1973, to September 30, 1974, and STAUFFER agrees to lease, or cause to be transferred to UNITED STATES STEEL the right to extract said 45

acre feet during said water year from said basin in the exercise of rights other than those presently owned by UNITED STATES STEEL. Said demand shall be made on or before June 1, 1974. Upon making the demand and receiving a lease of water rights in said quantity UNITED STATES STEEL shall pay to STAUFFER the sum of \$1,350.00.

Attest:

W. A. McLean
Assistant Secretary

UNITED STATES STEEL CORPORATION

By Richard M. Harte
Vice President, Sales, Western Area

STAUFFER CHEMICAL COMPANY

By Richard M. Harte
Plant Manager

2.

SUGGESTED SAMPLES OF DOCUMENTS FOR TRANSFERRING WATER RIGHTS

YEARLY LEASE	DEED OF WATER RIGHTS
<p><u>WATER RIGHT LICENSE AND AGREEMENT</u></p> <p>For a valuable consideration, THE JOHN DOE COMPANY hereby grants to John Smith: a license to extract _____ acre-feet of licensee's Adjudicated Right allocated to licensor (or predecessors in interest) under and pursuant to Judgment dated August 18, 1961, and entered in Los Angeles Superior Court Case No. 506806 entitled "California Water Service Company, et al. vs. City of Compton, et al." during the period commencing October 1, 1971, and continuing to and including September 30, 1971.</p> <p>Said License is granted, subject to the following conditions:</p> <ol style="list-style-type: none"> (1) Licensee shall exercise said right and extract the same on behalf of JOHN DOE COMPANY during the period above specified and put the same to beneficial use and licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of licensor. (2) Licensee shall pay assessments levied on the pumping of said ground waters by the Central and West Basin Water Replenishment District. (3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document. (4) Licensee shall note, in any recording of water production for the period of agreement, that said pumping was done pursuant to this license. (5) Licensee's Adjudicated Right _____ (shall not) (shall) be increased by the amount hereby leased when computing carryover or allowable overdraft as provided by Paragraph VI in said Judgment. <p>JOHN DOE COMPANY warrants that it has _____ acre-feet of Adjudicated Right and that it has not pumped and will not pump or permit license or other person to pump any part of said _____ acre-feet during period of October 1, 1971, through September 30, 1971.</p> <p>Dated: _____</p> <p>JOHN DOE COMPANY JOHN SMITH</p> <p>By _____ By _____</p> <p>Title _____ Title _____</p>	<p><u>DEED OF WATER RIGHTS</u></p> <p>For a valuable consideration, JOHN SMITH hereby sells and transfers to the JOHN DOE COMPANY:</p> <p>The Right to extract _____ acre-feet of grantor's Adjudicated Right allocated to grantor (or predecessors in interest) under and pursuant to Judgment dated August 18, 1961 and entered in Los Angeles Superior Court Case No. 506806 entitled "California Water Service Company, et al. vs. City of Compton, et al."</p> <p>Dated: _____</p> <p>JOHN DOE COMPANY JOHN SMITH</p> <p>By _____ By _____</p> <p>Title _____ Title _____</p>

APPENDIX B
GROUND WATER EXTRACTIONS

TABLE B-1. GROUND WATER EXTRACTIONS

In acre-feet

STATE WELL NUMBER	OWNER'S DESIG- NATION	PRODUCTION												TOTAL	
		1972			1973										
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT		
A B C NUMSEW & INC															
35/134-29F11S	1	3.03	1.71	1.62	.54	.83	1.34	3.24	1.40	3.47	3.83	3.35	2.67	27.03	
AMERICAN PLANT GROWERS INC															
45/134-19JAS	899H	2.44	1.21	1.13	1.84	1.44	2.27	3.48	2.75	3.07*	2.94*	4.34	2.27	29.24	
ATLANTIC RICHFIELD COMPANY															
45/134-1600S	11	224.72	218.04	194.12	182.79	155.17	176.20	2.44	160.06	207.03	220.69	220.47	206.85	2170.62	
45/134-21H2S	4	0	0	0	.18	0	0	0	1.28	.84	.60	0	1.41	4.36	
45/134-21H2S	7	117.20	84.87	47.04	21.67	14.73	17.05	50.37	93.42	57.41	64.51	51.75	89.20	718.42	
45/134-21H2S	4	7.14	.14	85.78	22.73	24.18	47.35	42.61	71.79	145.24	121.71	155.74	134.90	865.33	
45/134-21H2S	12	282.74	143.25	302.12	174.66	283.84	315.29	111.77	299.94	287.44	295.28	244.24	308.40	3445.13	
45/134-21J2S	10	155.83	136.72	105.82	125.32	123.37	154.31	149.90	134.28	114.53	132.39	145.14	104.07	1610.68	
45/134-22H1S	5	30.12	72.08	0	110.94	30.65	91.67	47.01	124.17	110.17	147.13	153.74	104.50	1032.82	
45/134-22H1S	9	34.00	91.11	138.90	30.75	87.87	10.87	115.98	44.73	109.66	85.90	49.05	71.44	937.30	
TOTALS		855.75	750.25	879.78	832.08	724.41	812.74	740.10	954.87	1037.33	1070.21	1101.73	1021.01	10784.66	
CALIFORNIA WATER SERVICE COMPANY															
35/144-29F11S	2001	58.49	61.17	57.67	53.74	34.87	12.86	62.94	64.08	64.00	72.85	75.58	60.81	684.11	
35/144-29J1S	2201	61.35	53.34	74.34	73.67	72.20	100.18	69.17	84.50	91.46	109.37	104.98	84.75	978.40	
35/144-32H1S	412	54.40	11.61*	6.51*	20.20*	14.14*	18.77*	42.74	52.04	55.14	62.58	49.00	52.71	475.87	
45/144-16H1S	2501	9.23	6.93	2.52	1.03	.87	6.92	4.14	0	0	0	0	0	31.64	
TOTALS		184.03	152.85	141.44	144.69	131.22	158.68	175.01	202.60	210.60	234.80	234.55	198.27	2169.72	
CHANDLER RIOS VERDES SAND-GR CO															
45/144-22H1S	10842	9.91	9.65	8.23	4.94	5.64	6.54	10.53	7.54	6.64	4.31	7.00	9.99	92.80	
45/144-22H1S	10841	1.35*	.80*	.24*	.78*	.24*	.74*	1.59*	2.11*	1.90*	2.07*	1.80*	1.31*	15.04	
45/144-35H1S	5104H	24.85	10.51	9.74	8.10	4.35	12.84	18.34	24.67	28.79	23.12	11.41	19.74	200.54	
45/144-35H2S	PLANT	8.17	7.10	6.25	6.86	7.80	5.52	7.80	11.94	8.38	6.94	3.30	10.06	88.16	
TOTALS		44.28	28.15	24.48	20.68	20.05	25.72	30.30	44.30	45.51	30.44	23.51	41.14	396.58	
DESSER ENTERPRISES															
45/134-15H1S	874H	.04*	0	0	0	0	.02*	0*	.04*	0	.02*	.04*	0	.14	
DOMINGUEZ WATER CORPORATION															
45/134-11K1S	THY2	9.24	1.44	.78	1.05	0	.85	3.24	3.37	3.45	3.43	6.78	5.62	39.31	
45/134-15S	S WPD1	375.42	341.11	305.60	321.14	249.14	395.21	478.52	42.82	444.07	448.43	491.72	447.14	4814.44	
45/134-17H1S	19	72.13	65.30	84.35	45.43	0	0	0	19.81	35.72	88.04	94.29	95.32	634.82	
45/144-10H1S	32	172.52	74.55	111.65	117.62	62.74	146.50	184.53	170.90	191.27	199.10	148.34	176.85	1853.47	
45/144-10H2S	33	145.08	149.14	144.85	147.09	106.10	72.81	175.46	145.35	170.60	184.47	167.85	145.39	1794.30	
TOTALS		774.43	631.58	667.17	652.85	468.17	635.37	833.75	801.25	847.11	953.47	900.91	410.32	9136.38	
FI CERRUNDO CITY OF															
35/144-18K1S	13	0	0	0	0	11.52	97.04	87.15	144.75	43.11	198.04	12.07	10.31	603.94	
FLETCHER OIL AND REFINING COMPANY															
45/134-30H2S	3	3.00	3.24	3.40	3.25	3.00	5.34	7.61	7.82	9.32	8.23	9.68	8.65	72.85	
FUJIMOTO SAMUEL R AND RAYMOND S															
35/134-30H1S	1	.63	.39	.34	.34	.42	.60	.88	.70	.64	.75	.74	.69	7.50	
MAWTHORNE CITY OF															
35/144-09H1S	13	79.34	83.88	43.92	50.91	33.20	33.58	40.79	57.01	37.87	52.28	40.42	77.16	650.47	
35/144-09H2S	4	13.79	10.40	8.40	11.07	9.69	13.45	13.74	19.60	14.94	20.83	26.06	19.93	142.54	
35/144-09H2S	12	52.80	50.45	50.92	41.07	62.08	64.27	50.33	57.40	66.88	64.08	58.42	34.24	679.95	
35/144-09H1S	8	24.93	22.40	14.97	25.50	19.09	31.07	36.92	40.24	27.72	16.53	45.99	38.94	361.51	
TOTALS		170.90	167.42	132.50	148.55	124.75	142.72	143.78	174.54	147.11	144.62	149.32	146.31	1874.52	
HILLS OF MEMORIAL PARK															
25/144-19H1S	2	5.83	1.44	1.40	2.84	1.24	2.24	4.22	7.88	9.90	7.40	10.80	5.90	65.51	

TABLE B-1. GROUND WATER EXTRACTIONS

In acre-feet

(Continued)

STATE WELL NUMBER	OWNER OR OPERATOR NATION	PRODUCTION												TOTAL
		1972			1973									
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	
HOLLYWOOD TURF CLUB														
25/14w-34F015	OUT02	8.52	4.95	3.09	2.61	2.37	4.46	10.69	10.54	13.81	15.08	14.62	10.80	
25/14w-34L025	IM001	13.74	7.11	3.48	.98	0	13.53	12.37	16.97	17.24	14.38	12.54	11.00	
TOTALS		22.26	12.06	6.57	3.59	2.37	17.99	23.06	27.51	31.05	29.46	27.20	21.80	
INDUSTRIAL CHEM DIV-ALLIED CHEM CORP														
35/14w-18N055	S	17.70	21.24	8.22	0	0	0	0	1.08	0	0	0	0	
INGLEWOOD, CITY OF														
25/14w-32F015	21	61.89	63.91	70.50	60.35	59.35	58.66	68.46	76.71	55.23	74.87	67.27	73.35	
25/14w-32C025	34	66.07	80.25	84.44	72.86	75.39	60.94	57.85	46.23	86.78	91.55	57.75	92.07	
35/14w-03W015	38	126.25	123.94	125.25	115.49	111.79	106.62	103.83	91.55	75.21	70.46	67.34	70.59	
35/14w-10C025	30	10.53	22.66	22.54	18.33	14.09	0	0	.31	0	0	0	0	
25/14w-34C025	2	2.51	1.68	3.01	1.41	2.63	1.93	7.37	5.55	5.50	4.30	6.18	4.31	
TOTALS		267.25	292.40	305.99	268.64	263.25	228.15	237.51	260.35	222.72	252.14	198.54	242.32	
INOSE, KENTCOT														
35/13w-29C085	10	1.34	.70	.46	.61	.50	.72	1.89	1.66	2.07	2.10	2.08	1.58	
JOHNS MANVILLE PRODUCTS CORP														
45/13w-15N015	W001	86.07	87.27	77.37	83.49	73.14	69.76	67.57	70.64	70.97	81.18	64.45	54.29	
LOS ANGELES, CITY OF														
45/13w-31	S W001	295.00	0	0	0	0	323.92	418.96	446.71	449.72	441.66	383.81	0	
LOS ANGELES COUNTY ALONDRA PARK														
35/14w-27C015	761	34.52	4.78	15.15	26.50	24.04	13.02	40.14	66.26	73.02	53.95	74.97	78.91	
LOS ANGELES COUNTY SANIT DIST NO 2														
45/13w-30C015	R19	4.62	9.44	14.35	14.33	10.73	6.74	8.65	3.44	2.85	.02	3.17	10.83	
LOS ANGELES COUNTY-WESTERN AVE GOLF														
35/14w-11J025	1397C	9.59	3.17	3.58	.98	.43	.28	7.26	13.84	16.95	17.66	15.91	11.88	
MANHATTAN BEACH, CITY OF														
35/14w-29N035	11	75.98	56.99	68.51	44.66	57.34	71.47	57.71	50.85	56.14	54.40	44.51	0	
MAYFLOWER NUBBERIES														
35/13w-31R075	ADWY2	.17	.11	.08	.07	.04	.12	.10	.07	.10	.13	.08	.07	
35/14w-25K065	NOPM1	.02	0	.01	0	.01	.01	.01	.01	.18	2.96	2.50	1.95	
TOTALS		.19	.11	.09	.07	.05	.13	.11	.08	.28	3.09	2.58	2.02	
MCINNELL DOUGLAS CORP														
45/14w-01F025	1	0	0	0	0	0	0	0	0	0	.01	0	0	
MURIL OIL CORPORATION														
45/14w-03L025	T0002	30.54	2.88	20.59	0	0	0	31.95	86.27	56.76	42.43	10.98	54.69	
45/14w-03L015	T0003	102.41	78.41	93.32	92.84	65.05	102.70	110.87	114.10	104.57	113.33	114.01	108.71	
45/14w-03L045	T0004	83.93	75.08	93.01	83.06	61.14	51.08	47.88	114.31	98.42	115.48	105.71	105.75	
45/14w-03M015	T0006	131.80	129.61	129.54	86.08	112.92	177.86	127.03	136.25	115.69	170.58	122.26	117.95	
TOTALS		348.68	285.78	336.46	259.98	239.91	331.54	317.73	446.93	375.44	391.83	357.96	387.10	
OTANI, CHISATO														
35/14w-33W045	OTAN3	1.67	.77	.78	.59	.32	.68	3.75	5.42	6.06	6.36	4.88	3.92	
35/14w-34W045	SCFO	1.00	.78	.14	.13	.12	0	.97	1.72	2.19	1.43	1.49	1.93	
TOTALS		2.67	1.55	.92	.72	.44	.68	4.72	7.14	8.23	7.79	6.37	5.85	
PACIFIC CREST CEMENTERY COMPANY														
35/14w-33F015	743	4.87	3.34	1.84	1.57	.73	1.69	3.63	4.61	5.87	4.78	5.02	0	
TOTALS		4.87	3.34	1.84	1.57	.73	1.69	3.63	4.61	5.87	4.78	5.02	0	

TABLE B-1. GROUND WATER EXTRACTIONS
In acre-feet
(Continued)

STATE WELL NUMBER	OWNER'S OFFICE- NATION	PRODUCTION												TOTAL	
		1972			1973										
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT		
PALME VERDES REGION 4 FARM															
45/14w-231015	I	.09*	.06*	.08*	.15*	.01*	.01*	.13*	.25*	.07*	.19*	.18*	.17*	1.37	
PAOP WATER COMPANY															
35/14w-220115	15C	23.45	17.27	17.33	10.64	15.20	15.69	22.55	26.22	25.60	11.95	30.32	26.92	267.14	
35/14w-220115	15B	.05	.01	.02	.04	.06	0	.68	.20	.49	0	.02	.07	1.64	
35/14w-220125	15A	.01	.01	.01	.03	.04	0	.06	.00	.84	.25	.05	.01	1.29	
TOTALS		23.51	17.29	17.36	10.71	15.30	15.69	23.27	26.42	26.93	12.20	30.39	25.00	270.07	
ROMAN CATHOLIC ARCHBISHOP OF L A															
25/14w-180115	40LYX	18.21	7.61	3.54	6.20	1.09	1.70	10.34	27.36	13.18	14.56	16.92	6.86	136.71	
SHFFTS ESTHETIC 4															
35/14w-320125	R23F	.06*	.02*	.07*	.02*	0	0	0	0	.04*	.10*	.07*	.08*	.42	
SHILL OIL COMPANY															
45/13w-090025	00005	56.65	75.07	133.03	130.69	121.48	122.56	113.69	129.05	137.83	135.93	95.29	25.60	1283.07	
45/13w-10E035	00004	0	0	0	0	0	0	0	0	3.36	0	0	0	3.36	
45/13w-10E045	00006	187.52	197.99	167.01	155.23	138.93	164.59	170.73	157.08	152.07	163.70	138.81	167.43	1940.78	
45/13w-210115	41002	38.95	74.90	85.33	81.48	72.50	70.20	20.63	45.58	80.60	55.40	3.22	86.07	724.12	
45/13w-210125	W1003	96.26	0	11.01	0	0	0	129.23	68.60	4.23	76.35	118.15	26.57	526.40	
TOTALS		377.38	348.05	344.38	376.40	332.91	357.44	474.28	400.31	387.09	409.15	355.47	305.67	4478.53	
SOUTHERN CALIFORNIA EDISON COMPANY															
35/13w-20K 5	N02	0	0	0	0	0	0	0	0	0	0	0	.14	.14	
45/13w-14A025	W0911	.15*	.08*	.07*	.05*	.07*	.08*	.30*	.04*	.17*	.15*	.14*	.22*	1.52	
45/13w-27A025	HAN5N	.05*	.18*	.14*	.15*	.12*	.12*	.49*	.07*	.08*	.09*	.08*	.05*	1.60	
35/14w-34A025	F0F54	.26	.13	.01	0	.01	.02	.41	.04	.37	.32	.47	.30	2.93	
TOTALS		.46	.27	.22	.20	.20	.22	1.20	.65	.62	.56	.69	.80	6.19	
SOUTHERN CALIFORNIA WATER COMPANY															
35/14w-03K015	Y1001	94.29	65.98	84.22	90.26	73.34	9.84	36.66	64.95	62.41	50.36	55.42	60.61	739.74	
35/14w-03K025	Y1002	41.09	26.75	31.35	32.37	22.34	64.04	70.20	86.98	82.56	77.82	69.77	73.67	678.94	
35/14w-03K035	Y1003	15.85	9.43	15.26	15.92	7.93	59.30	71.81	75.97	73.56	76.22	75.93	72.58	571.96	
35/14w-040115	Y1001	43.68	19.89	33.72	31.11	31.68	28.04	4.47	0	15.77	33.00	39.73	23.33	324.42	
35/14w-110025	W1001	42.15	37.52	49.78	55.76	38.11	31.54	76.59	76.11	74.12	72.44	31.27	30.09	453.68	
35/14w-130025	P0003	20.74	17.90	13.93	0	0	0	47.87	91.34	66.52	49.05	50.73	43.61	402.51	
35/14w-130035	S0003	53.11	60.81	30.70	0	0	0	0	70.58	22.17*	53.74*	52.14*	0	302.34	
35/14w-130045	S0004	12.96	12.88	15.99	46.44	39.63	43.99	4.60	0	26.73	4.07	13.56	8.43	227.47	
35/14w-14A015	F0001	20.14	0	42.07*	66.35*	54.91*	43.79*	13.65*	12.67*	23.85*	3.25*	0	11.08*	309.74	
35/14w-14A015	129	20.29	4.90	75.02	82.78*	55.03	86.15	20.02	0	10.20	18.69	30.86	47.06	497.96	
35/14w-21A015	C0001	6.63	1.88	.60	41.59*	18.92	54.00	17.68	11.90	40.16	0	2.32	53.66	270.47	
35/14w-22A015	C0001	17.38	29.38	36.02*	44.33	38.60	43.88	66.00	50.44	40.38	45.20	35.30	55.02	534.53	
35/14w-22A025	C0002	35.49	25.94	32.69	42.29	34.33	29.52	45.05	71.07	55.59	66.33	18.19	45.56	532.50	
35/14w-22L015	C0001	13.43	28.09	41.81	76.09	32.88	1.37	0	0	3.20	3.99	21.65	26.23	262.31	
35/14w-250045	A0001	36.47	23.32	66.47	27.10	5.56	4.52	13.63*	55.45	73.80	70.50	59.50	45.61	459.61	
TOTALS		520.92	374.76	576.69	654.39	473.04	517.98	480.95	565.97	641.43	539.81	578.59	643.99	6576.52	
SPARLETTIS DRAINING WATER CORP															
35/13w-290065	1	4.96	4.97	4.28	5.54	3.56	2.96	2.96	3.33	3.50	7.59	4.21	2.90	66.79	
35/13w-290075	2	3.79	3.64	3.06	2.88	2.19	1.92	2.57	2.75	3.06	2.62	2.54	3.00	33.92	
TOTALS		8.75	8.63	7.32	8.47	5.73	4.88	5.53	6.08	6.56	10.21	6.75	5.90	100.71	
STAUFFER CHEMICAL COMPANY															
45/13w-10C025	00014	55.07	52.46	44.65	52.68	47.99	47.13	36.24	43.34	36.24	32.85	20.70	39.73	510.55	
45/13w-22F025	H0001	19.75	13.71	10.70	10.41	8.46	10.15	0.87	0.94	0	0	0	0	91.48	
TOTALS		74.82	66.15	55.35	62.89	56.46	57.28	46.11	53.28	36.24	32.85	20.70	39.73	604.03	
TEFACO INCORPORATED															
45/13w-22F025	H0001	0	0	0	0	0	0	0	0	9.82	10.51	8.66	11.81	40.46	
45/13w-27A 5	3	0	0	0	0	0	0	0	0	0	0	59.80	121.83	181.63	
45/13w-27A055	8	331.43	321.92	334.84	360.47	305.31	362.98	300.91	300.77	358.56	204.08	317.11	171.53	3752.93	
TOTALS		331.43	321.92	334.84	360.47	305.31	362.98	300.91	300.77	368.38	214.59	185.51	306.89	3975.02	

TABLE B-1. GROUND WATER EXTRACTIONS
In acre-feet
(Continued)

STATE WELL NUMBER	OWNERS DESIGN- NATION	PRODUCTION												TOTAL	
		1972			1973										
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT		
TOWNSHIP, CITY OF															
35/14W-36C025	A	12.24	0	0	0	0	0	0	.12	90.76	187.88	280.20	248.76	819.98	
45/14W-10D015	2	.01	0	.02	0	.03	.02	.03	6.12	58.80	118.90	89.51	274.44		
45/14W-10D025	4	57.25	11.72	0	4.50	.60	0	67.26	119.36	115.88	247.29	318.71	301.69	1264.26	
45/14W-10D035	5	11.78	.11	.02	0	.16	.06	35.85	90.70	137.23	353.91	348.97	332.69	1511.54	
TOTALS		82.19	11.83	.10	4.50	.79	.08	103.14	210.20	549.99	867.97	1066.87	972.65	3870.22	
UNION NUMSEY INC															
35/13W-29G045	R31AR	1.49	1.50	.88	.79	.92	.96	2.24	1.86	2.15	1.58	2.41	2.78	19.56	
UNION OIL COMPANY OF CALIFORNIA															
45/13W-31D015	LA003	140.58	175.87	139.27	131.95	100.38	174.30	183.27	150.07	138.89	179.11	118.27	110.35	1632.31	
UNITED STATES STEEL CORPORATION															
45/14W-11F015	4	0	0	0	51.53	0	0	0	0	0	0	0	0	51.53	
45/14W-11G045	5	104.74	92.43	70.77	34.35	79.84	86.90	98.62	89.24	101.87	98.19	101.10	103.59	1059.66	
TOTALS		104.74	92.43	70.77	85.88	79.84	86.90	98.62	89.24	101.87	98.19	101.10	103.59	1111.19	
WATSON LAND COMPANY															
45/13W-15C015	RA7E	1.42	0	0	0	0	0	0	0	0	0	0	0	1.42	
ZEIGLER, MAXWELL T															
35/13W-31M015	813N	1.98	1.30	.63	.68	.73	1.18	2.91	3.10	4.21	4.31	3.23	.87	25.13	
GRAND TOTALS		4903.08	3904.80	4300.75	3537.68	4531.90	4914.41	5400.58	5048.45	6487.62	6420.58	5707.45	60477.84		

*ESTIMATED PRODUCTION

APPENDIX C
CHANGES IN WELL STATUS 1972-73

Wells Drilled

3S/13W-29K01	SO. CALIF. EDISON CO. NOZAKI WELL
3S/13W-30N02	PACIFIC TELEPHONE
3S/14W-18K04	EL SEGUNDO, CITY OF, NO. 13
4S/13W-27M05	TEXACO NO. 9

Wells Destroyed

2S/14W-28E01	4S/13W-09E02
2S/14W-28M01	4S/13W-10A01
3S/13W-19Q03	4S/13W-10J08
3S/13W-31K02	4S/14W-08F01
3S/14W-13G01	4S/14W-25G02
4S/13W-07C01	

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